

May 29, 2008

Vickie L. Prather
Acting Supervisor, Inventory and Data Management Section
Kentucky Department for Environmental Protection
Frankfort Office Park
14 Reilly Road
Frankfort, KY 40601



Re: KPDES Permit Renewal Application for the Kingsford Manufacturing

Company Burnside, Kentucky Facility

**KPDES No. KY0003522** 

Dear Ms. Prather:

Kingsford Manufacturing Company (KMC) is submitting three (3) copies of the KPDES permit renewal application for our charcoal manufacturing plant in Burnside, Pulaski County, Kentucky. The application is being submitted 6 months prior to the permit expiration date of November 30, 2008. Also included is a check in the amount of \$640.00 for the application fee.

If you have any questions or require any additional information regarding the permit application, please do not hesitate to contact myself or Mr. Eric Haag, Plant Engineering Manager, at (606) 561-4151.

Sincerely,

Robert Massey

**Environmental Coordinator** 

cc:

Eric Haag – KMC Mike Young – KMC

Burnside Plant 9500 South Highway 27 P.O. Box 487 Burnside, KY 42519

(606) 561-4151 FAX: (606) 561-6351



#### KPDES RENEWAL APPLICATION KPDES PERMIT KY0003522

### KINGSFORD MANUFACTUING COMPANY BURNSIDE, PULASKI COUNTY, KENTUCKY

**MAY 2008** 

Smith Management Group 1405 Mercer Road Lexington, Kentucky 40511 859-231-8936

#### KINGSFORD MANUFACTURING COMPANY 9500 SOUTH HIGHWAY 27 BURNSIDE, PULASKI COUNTY, KENTUCKY KPDES PERMIT NO. KY0003522

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Outfall 002

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TREATMENT MEASURES

#### WINGSFORD MANUFACTURING COMPANY 9500 SOUTH HIGHWAY 27 BURNSIDE, PULASKI COUNTY, KENTUCKY KPDES PERMIT NO. KY0003522

#### INTRODUCTION

#### 1.0 General Information

The Kingsford Manufacturing Company (Kingsford) facility located at 9500 South Highway 27, Burnside, Pulaski County, Kentucky is shown in **Figure 1**, **Site Location Map**. The facility is located on a 64-acre plot on the east side of Highway 27, south of Burnside. The facility is included in the Standard Industrial Classification (SIC) Code for Gum and Wood Chemicals, SIC Code 2861. Mr. Robert Massey is the site contact for environmental issues.

#### 2.0 Existing Operations

The facility produces charcoal for the retail consumer. Kingsford receives raw materials such as sawdust, limestone, starch, sodium nitrate, char and other carbonaceous materials. The materials are processed, mixed, formed and bagged for consumer use. Some of the briquets are treated with lighter fluid to make the solvent treated briquets. A more detailed process description is included in **Attachment A, Process Description**.

The site is shown, including roadways, buildings, storage areas, and manufacturing equipment on **Figure 2**, **Site Layout**. Throughout the property, a storm water collection system exists with numerous curb box inlets and catch basins. The system collects the storm water from the manufacturing and storage areas. All the storm water from the manufacturing area is discharged to the containment basin, settling pond, and discharged through Outfall 001.

The facility obtains water from the Southeast Water Association for potable water uses. The wastewater generated at the facility is treated by an on-site aeration treatment plant, and discharged via Outfall 002 to the settling pond.

Kingsford maintains a water withdrawal permit to remove up to 500,000 gallons per day from the South Fork of the Cumberland River (Lake Cumberland). The average actual water withdrawal amount has been approximately 270,000 gallons per day.

In addition to Outfalls 001 and 002, Kingsford maintains four storm water outfalls at the site.

Outfalls 003 and 004 are located on the southeast corner of the property. These outfalls convey storm water from production/processing areas.

Outfalls 005 and 006 are located on the southwest side of the property. These two outfalls convey storm water from near the three warehouses to the west toward Highway 27.

#### 3.0 Wastewater Generation From Site Operations

A water flow diagram, **Figure 3**, **Water Balance**, has been developed for the facility which contains the water sources and the wastewater streams at the site. Kingsford operates a boiler for process steam. The boiler blowdown and steamheat condensate are discharged to the wastewater treatment system. Also, the facility frequently washes down and cleans around the manufacturing equipment. The washdown water and other wastewater streams are collected in a storm water collection system and discharged to the wastewater treatment system.

The wastewater treatment system includes a containment pond and a settling pond prior to discharge through Outfall 001.

The containment pond is designed to remove heavy solids and floatable materials. At normal wastewater flow rates, the containment pond has approximately four days of retention time.

A settling pond follows the containment pond. The pond includes a skimmer boom to capture floatable materials and an oil absorbent boom for collection of any residual oil. The normal retention time in the settling pond is thirteen to eighteen days, giving the system a normal holding time of seventeen to twenty-two days.

#### 4.0 Analytical Data

To most accurately reflect the existing discharge, the analytical data shown in Form C and Form F of this application includes the discharge monitoring data for the calendar years 2005 through 2007.

## **KPDES FORM 1**

# Al 3816

~	KENTUCKY POLLUTANT DISCHARGE
~\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	ELIMINATION SYSTEM
La Control	JN 0 2 2008 PERMIT APPLICATION
	PERMIT APPLICATION
	UN O B Es
This is an application to: (check one)	A complete amplication consists of this form and one of the
Apply for a new permit.  Apply for reissuance of expiring permit.	following: Form A, Form B, Form C, Form F, or Form SC
Apply for resistance of expiring permit.  Apply for a construction permit.	A KVYV
Modify an existing permit.	For additional information contact:
Give reason for modification under Item II.A.	KPDES Branch (502) 564-3410  AGENCY
I. FACILITY LOCATION AND CONTACT INFORMATION	
A. Name of business, municipality, company, etc. requesting permit Kingsford Manufacturing Company	
B. Facility Name and Location	C. Primary Mailing Address (all facility correspondence will be sent to
	this address). Include owner mailing address on a separate sheet if different.
Facility Location Name:	Facility Contact Name and Title: Mr. Ms.
Kingsford Manufacturing Company Facility Location Address (i.e. street, road, etc., not PO Box):	Robert Massey Mailing Address:
9500 South Highway 27 Facility Location City, State, Zip Code:	P.O. Box 487  Mailing City, State, Zip Code:
Burnside, KY 42519	Burnside, KY 42519
	Facility Contact Telephone Number:
	606-561-4151
II. FACILITY DESCRIPTION	
A. Provide a brief description of activities, products, etc: See A	Attachment A
B. Standard Industrial Classification (SIC) Code and Description	
Principal SIC Code &	
Description: 2861 - Gum and Wood Chemical	ls
Other SIC Codes:	
THE PLANT WITH LOCATION	
III. FACILITY LOCATION  A. Attach a U.S. Geological Survey 7 ½ minute quadrangle map for	r the gita (See instructions)
B. County where facility is located:	City where facility is located (if applicable):
Pulaski	Burnside
C. Body of water receiving discharge: Unnamed Tributary to the South Fork Cumberland River	
COMPANIED TORRIOR VALUE NORTH CORE COMPETANCE RIVER	
	Facility Site Longitude (degrees, minutes, seconds):
D. Facility Site Latitude (degrees, minutes, seconds): 36-58-12	Facility Site Longitude (degrees, minutes, seconds): 84-35-05
D. Facility Site Latitude (degrees, minutes, seconds):	

IV. OWNER/OPERATOR INFORMAT	ION	en de la companya de	100 May 1		
A. Type of Ownership:  ☐ Publicly Owned ☑ Privately Own	ed  State Owned	Roth Public and Priv	ate Owned  Federally owned		
B. Operator Contact Information (See instr			ate Owned rederany owned		
Name of Treatment Plant Operator:		Telephone Number:	•		
SEE ATTACHMENT B FOR OPERATOR Operator Mailing Address (Street):	RINFORMATION	<u> </u>			
O Mailing Address (City, State 7in Code)			·		
Operator Mailing Address (City, State, Zip Code):					
Is the operator also the owner? Yes No		Is the operator certified? I	f yes, list certification class and number below.		
Certification Class:		Certification Number:	,		
		]	<u> </u>		
V. EXISTING ENVIRONMENTAL PEI	RMITS  Issue Date of Current Perr	mit:	Expiration Date of Current Permit:		
		THE.			
KY0003522  Number of Times Permit Reissued:	January 1, 2005  Date of Original Permit Is	suance:	November 30, 2008 Sludge Disposal Permit Number:		
Several	Unknown		NA NA		
Kentucky DOW Operational Permit #:	Kentucky DSMRE Permit	Number(s):			
NA	NA				
Which of the following additional environr	nental permit/registratio	on categories will also a	apply to this facility?		
which of the following additional chynolic	mentar permit registratio	on categories will also a			
	DAMCEDIC DEL	NATE WITTEN NO	PERMIT NEEDED WITH		
CATEGORY	EXISTING PER	RMIT WITH NO.	PLANNED APPLICATION DATE		
Air Emission Source	SEE ATTACHMEN	ТС			
Solid or Special Waste	SEE ATTACHMEN	JT C			
Hazardous Waste - Registration or Permit	SEE ATTACHMEN	TC			
VI. DISCHARGE MONITORING REP	ORTS (DMRs)				
		<u>a ang kang ang ang ang ang ang ang ang ang ang </u>			
KPDES permit holders are required to su	bmit DMRs to the Div	vision of Water on a 1	regular schedule (as defined by the KPDES are number of the DMR official and the DMR		
mailing address (if different from the prima			to manager of the Divik official and the Diffic		
A. DMR Official (i.e., the department,					
designated as responsible for submitti		Tom Dunlance			
Division of Water):		Tom Burkenpas			
DMR Official Telephone Number:		606-561-4151			
B. DMR Mailing Address:					
<ul><li>Address the Division of Water wil</li><li>Contact address if another individ</li></ul>			ailing address in Section I.C), or s for you; e.g., contract laboratory address.		
DMR Mailing Name:	Robert Massey				
DMR Mailing Address:	P.O. Box 487				
DMR Mailing City, State, Zip Code:	Burnside, KY 42519				

VII. APPL	CATION	FILING FE	E			· · · · · · · · · · · · · · · · · · ·		
*********			•	11	1 61.	C 1, , , ,	. 6.1	C D1

KPDES regulations require that a permit applicant pay an application filing fee equal to twenty percent of the permit base fee. Please examine the base and filing fees listed below and in the Form 1 instructions and enclose a check payable to "Kentucky State Treasurer" for the appropriate amount (for permit renewals, please include the KPDES permit number on the check to ensure proper crediting). Descriptions of the base fee amounts are given in the "General Instructions."

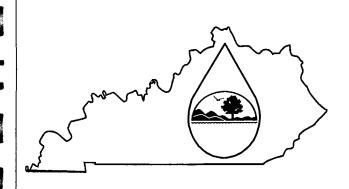
Facility Fee Category:	Filing Fee Enclosed:
Major Industry	\$640.00

#### VIII. CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME AND OFFICIAL TITLE (type or print):	TELEPHONE NUMBER (area code and number):
Mr. Ms. Tom Burkenpas, Plant Manager	606-561-4151
SIGNATURE	DATE:
Tou Bucy	5/28/2008

## **KPDES FORM C**



#### KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM

#### PERMIT APPLICATION

A complete application consists of this form and Form 1. For additional information, contact KPDES Branch, (502) 564-3410.

Name of Facility: Kingsford Manufacturing Company	County: Pulaski
I. OUTFALL LOCATION	AGENCY USE

For each outfall list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

Outfall No. (list) 001		LATITUDE			LONGITÚDI		RECEIVING WATER (name)		
	Degrees	Minutes	Seconds	Degrees	Minutes	Seconds			
001	36	58	14	84	35	18	UT to South Fork Cumberland		
002	36	58	15	84	35	16	to Settling Pond, Outfall 001		

#### II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES

- A. Attach a line drawing showing the water flow through the facility. Indicate sources of intake water, operations contributing wastewater to the effluent, and treatment units labeled to correspond to the more detailed descriptions in Item B. Construct a water balance on the line drawing by showing average flows between intakes, operations, treatment units, and outfall. If a water balance cannot be determined (e.g., for certain mining activities), provide a pictorial description of the nature and amount of any sources of water and any collection or treatment measures.
- B. For each outfall, provide a description of: (1) all operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and storm water runoff; (2) the average flow contributed by each operation; and (3) the treatment received by the wastewater. Continue on additional sheets if necessary.

OUTFALL NO.	OPERATION(S) CONTRIBUT	ING FLOW	TREATMENT			
(list) 001	Operation (list)	Avg/Design Flow (include units)	Description	List Codes from Table C-1		
001	Washdown Water	21,299 GPD	Settling	1-U		
	Equipment Sealing/Cooling	60,999 GPD	Settling	1-U 1-U		
	Boiler Blowdown	1,000 GPD	Settling			
	Heating Condensate	18,563 GPD	Settling	1-U		
	Storm Water	30,000 GPD	Settling	1-U		
	Discharge from Outfall 002	5,800 GPD	Settling	1-U		
002	Santiary WWTP Discharge	5,800 GPD	Aeration, Settling	3-A, 1-U, 5-F		
			Chlorination			

II. FLOWS	, SOURCES OF POI	LLUTION, A	AND TREA	ATMENT TEC	CHNOLOGIE	S (Continued)			
C. Except for	storm water runoff, le	aks, or spills	, are any of	the discharges	described in It	tems II-A or B ii	ntermittent or se	asonal?	
	Yes (Complete the	e following to	able.)		No (Go	to Section III.)	•		
C. Except for stor	OPERATIONS	FREQU	ENCY			FLOW	egyttinen (til en ett.) Sessegati bessesi bere essegati		
NUMBER	CONTRIBUTING FLOW	Days Per Week	Months Per Year			Total v (specify w	olume rith units)	Duration (in days)	
(list)	(list)	(specify average)	(specify average)	* A.		Maximum Daily	Long-Term Average	Maximum Daily	Taraban da araban da
THE MAYIN	HIM PRODUCTION								
III. MAXIM	IUMI PRODUCTION					<u> </u>			
A. Does an e	ffluent guideline limit	ation promul	lgated by E	PA under Section	on 304 of the C	Clean Water Act	apply to your fa	acility?	
$\boxtimes$	Yes (Complete Ite	m III-B) List	t effluent gu	uideline categor	y: <b>40 cfr</b>	454, Sub	part A		
	No (Go to Section	IV)							
B. Are the lin	mitations in the applic	able effluent	guideline e	expressed in ter	ns of production	on (or other mea	sures of operati	on)?	
	Yes (Complete Ite	m III-C)	$\boxtimes$	No (Go to S	ection IV)				
					n de la composición de la composición Composición de la composición de la co		Affected O	Assert Control of the	
Quantity Per	Day Units of	Measure	<b>O</b> <sub>1</sub>			Etc.	(list outfall n	umbers)	
IV IMPDO	VEMENTS	They are also		eyel A. T. Basan (c. c.)				Principle Control	
A. Are you upgrading discharges	now required by any g, or operation of was s described in this ap forcement compliance	stewater equiplication? The schedule let	uipment or his includes ters, stipula	practices or a s, but is not lin ations, court ord	ny other envi nited to, perm lers and grant o	ronmental prog it conditions, ac or loan condition	rams which m Iministrative or	ay affect the	
C. Except for storm water runoff, leaks, or spills, are any of the discharges described in Items II-A or B  Yes (Complete the following table.)  No (Go to Section III.)  OUTFALL CONTRIBUTING PREWORD Pays Per Year (in mgd) (list)  (list)  (list)  (list)  (list)  FLOW  (specify (specify (specify average)  Average  Average  Total Average  Average  Average  The Complete Item III-B) List effluent guideline category:  Average  No (Go to Section IV)  B. Are the limitations in the applicable effluent guideline expressed in terms of production (or other me Yes (Complete Item III-B), list the quantity which represents the actual measuremer production, expressed in the terms and units used in the applicable effluent guideline, and indicate the Average of the Clean Water Average of the Clean W	JECT FINAL COMPLIANCE DATE Required Projected								

Revised June 1999

environmental projects which may affect your discharges) you now have under way or which you plan. Indicate whether each

B. OPTIONAL: You may attach additional sheets describing any additional water pollution control programs (or other

program is now under way or planned, and indicate your actual or planned schedules for construction.

V.	INTAKE AN	ND EFFLUENT	CHARACTER	ISTICS				
A,		space provided.	before proceeding	-				he outfall number in the
D.	which you kn	ow or have reas		scharged or ma	y be discha	rged from any ou	tfall. For every	of the instructions, pollutant you list,
	POLLUT	ANT	SOUR	CE	P	OLLUTANT	ti kitaliga ent grenati kirk Kasalah Rijat (1980)	SOURCE
NA								
VI	POTENTIA	L DISCHARG	ES NOT COVE	RED RV ANA	LYSIS			
<b></b>						noo which you us	o or produce o	r expect to use or
A.			as an immediate				e or produce, o	r expect to use of
		Yes (List all suc	h pollutants belov	v)	$\boxtimes$	No (Go to Iten	ı VI-B)	
В.			your raw materia uring the next 5 y					
		Yes (Complete l	tem VI-C)	No No	(Go to Item	VII)		
C.	expected leve		ants which you ar					time the sources and 5 years. Continue on
				.,, .,				

VII. BIOLOGICAL T	OXICITY TESTING DATA			
Do you have any knowled	lge of or reason to believe that any biol			city has been made on any of your
Yes (Ide	entify the test(s) and describe their purp	ooses below)	M N	No (Go to Section VIII)
			\	
VIII CONTRACT AN	JAT VSIS INFORMATION			
		<u> </u>		<u> </u>
Were any of the analyses	reported in Item V performed by a con	tract laboratory or co	onsulting firm?	
			ts [	No (Go to Section IX)
NAME	ADDRESS			POLLUTANTS ANALYZED (list)
VIII. CONTRACT ANALYSIS INFORMATION  Were any of the analyses reported in Item V performed by a contract laboratory or consulting firm?  Yes (list the name, address, and telephone number of, and pollutants No (Go to Section IX) analyzed by each such laboratory or firm below)  NAME ADDRESS TELEPHONE POLLUTANTS				
IV CERTIFICATION				
<u> </u>		<u>agus a la Bertina ang ang as</u>	<u>, , , , , , , , , , , , , , , , , , , </u>	
of the person or persons v	who manage the system, or those perso	ns directly responsi	ble for gatherin	g the information, the information
NAME AND OFFICIAL	TITLE (type or print):	TELEF	PHONE NUMB	ER (area code and number):
Tom Burkenpas, Plant Ma	nager			
		DATE	1 1	
	$\forall$		21-21	. 6

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages. (See instructions)

	h. Temperature (summer)	g. Temperature (winter)	f. Flow (in units of MGD)	e. Ammonia (as N)	d. Total Suspended Solids (TSS)	c. Total Organic Carbon (TOC)	b. Chemical Oxygen Demand (COD)	a. Biochemical Oxygen Demand (BOD)		1. POLLUTANT		Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.	V. INTAKE AND EFFELIENT CHARACTERISTICS (Continued from page 3 of Form C)
MINIMUM 6.0	VALUE	VALUE	VALUE	<1	38	9.7	35	29	(1) Concentration	a. Maximum Daily Value		vide the results o	FLUENT CHA
MAXIMUM 8.9	28.9	23.9	0.2784						(2) Mass	aily Value		of at least one ar	RACTERISTI
MINIMUM	VALUE	VALUE	VALUE						(1) Concentration	b. Maximum (if ava		alysis for every I	CS (Continued f
MAXIMUM				-					(2) Mass	b. Maximum 30-Day Value (if available)	2. EFFLUENT	ollutant in this tab	rom page 3 of Fo
	VALUE	VALUE	VALUE		1				(1) Concentration	c. Long-Ter (if ave		ile. Complete one	rm C)
	22.2	12.7	0.0543		13			7	(2) Mass	c. Long-Term Avg. Value (if available)		table for each outf	
35	17	16	35		35	1	-	35	Analyses	No. of		all. See instruction	
SIAN				mg/l	mg/1	mg/l	mg/l	mg/1		a. Concentration	3. UNITS (specify if blank)	s for additional detail	
STANDARD UNITS	°c	ိင	MGD							b. Mass	an d	s.	
	VALUE	VALUE	VALUE						(1) Concentration	a. Long-Term Avg. Value			OULFALL NO.
									(2) Mass	Avg. Value	(optional)		001
									Analyses	b.			

Part B - In the MARK "X" column, place an "X" in the Believed Present column for each pollutant you know or have reason to believe is present. Place an "X" in the Believed Absent column for each pollutant you believe to be absent. If you mark the Believed Present column for any pollutant, you must provide the results of at least one analysis for that pollutant. Complete one table for each outfall. See the instructions for additional details and

(1) Alpha, Total f. Fecal
Coliform
Fluoria Nitrogen,
Total
Organic
(as N)
k. Oil and
Grease (3) Radium Total c. Chloride d. Chlorine, POLLUTANT AND CAS NO. m. Radioactivity Phosphorous
 (as P), Total
 7723-14-0
 g. Fluoride (16984-48-8) (4) Radium, 226, Total (2) Beta, Total a. Bromide (24959-67-9) requirements. (if available) (as CaCO<sub>3</sub>)
Nitrate –
Nitrite (as N) Total Residual Total Residual Bromine Believed Present 2. MARK "X" Believed Absent ō a. Maximum Daily Value Concentration 00 colonies 3 5.32 1.2 12 (2) Mass Concentration EFRLUENT
b. Maximum 30-Day
Value (if available) (2) Mass Concentration c. Long-Term Avg. Value (if available) 1.24 2 (2) Mass Analyses No. of ٥ 35 18 9 Concentration # per 100 ml ADMI color UNITS mg/l mg/l mg/l Mass Ģ Concentration a. Long-Term Avg Value  $\Xi$ 6.
INTAKE (optional) (2) Mass Analyses No. of

(110 32 0)	Total	aa. Titanium,	z. Tin, Total (7440-31-5)	(7439-96-6)	y. Manganese,	(7439-98-7)	x. Molybdenum	(7439-96-4)	w. Magnesium Total	Management	v. Iron, Total (7439-89-6)	(7440-48-4)	u. Cobalt, Total	(7440-42-8)	t. Boron, Total	(7440-39-3)	s. Barium, Total	(7429-90)	Total	r. Aluminum,	1	q. Surfactants	(14286-46-3)		p. Sulfite	(as 3)	o. Sulfide	(14808-79-8)	(as SO <sub>4</sub> )	n Sulfate	(if available)		And CAS NO.	1. POLLUTANT	Part B - Continued	
-																															Believed Present	<b>20</b>		2. MARK "X"		
	×		×	×			×	×			×	×	ţ	×		×			×		×			×		×			×		Believed Absent	D.		K "X"		
	-																														(1) Concentration	Maximum Daily Value				
					,,,,,,,																										(2) Mass	yvalue	•			
																															(1) Concentration	Value (II avai	b. Maximum 30-Day			The second of the second of
											-																				(2) Mass	вріе)	0-Day	EFFLUENT		
																															(1) Concentration	(JECRIFAR II) ANIRA	c. Long-Term Avg.			
									•								•					•									Mass	nable)	n Avg.			
																															Anaiyses	140.01	, ,			
																															Colicella anon			UNITS		
																															171433		7			
																															Concentration	COME TOTAL CANEL VALUE	I and Them Ass	INTAK		
																			•												Mass (*)		<b>₹</b>	INTAKE (optional)	h	
																						<u> </u>									Allatyses	110.01	Z #			

Part C – If you are a primary industry and this outfall contains process wastewater, refer to Table C-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in the Testing Required column for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark this column (secondary industries, nonprocess wastewater outfalls, and non-required GC/MS fractions), mark "X" in the Believed Present column for each pollutant you know or have reason to believe is present. Mark "X: in the Believed Absent column for each pollutant you believe to be absent. If you mark either the Testing Required or Believed Present columns for any pollutant, you must provide the result of at least one analysis for that pollutant. Note that there are seven pages to this part; please review each carefully. Complete one table (all seven pages) for each outfall. See instructions for additional details and requirements.

Total (7440-28-0)	Total (7782-49-2)	9M. Nickel, Total (7440-02-0)	8M. Mercury Total (7439-97-6)	7M. Lead Total (7439-92-1)	6M. Copper Total (7550-50-8)	5M. Chromium Total (7440-43-9)	4M. Cadmium Total (7440-43-9)	3M. Beryllium Total (7440-41-7)	1M. Antimony Total (7440-36-0) 2M. Arsenic, Total (7440-38-2)	(if available)  Required  Required  RETALS, CYANIDE AND TOTAL PHENOLS	POLLUTANT And CAS NO.	1.
										Required NIDE AND T		page 2) ic.
				×						Believed Present OTAL PHE	*	2. MARK "X"
×	×	×	×		×	×	×	×	×	Absent NOLS	,	
				<0.002						Maximum Daily Value (I) (2) Concentration Mass		1. MARK "X"
		-										10 m
										Value (it available) (1) (2) Concentration Ma	b. Maximum 30-Day	
										ss	-Day	3. EFFLUENT
										Value (II availa (1) (1) Concentration	c. Long-Term Avg.	
										ss		
										No. of Analyses	e	
				mg/l						Concentration	<b>3</b> 2	4. UNITS
										Mass	, e	
			: :							(1) Concentration	a. Long-Term Avg Value	INTAK
										(2) Mass	, Value	5. INTAKE (optional)
										Analyses		

1		2. MARK "X"			3. EFFLUENT	<b>T</b>		4. UNITS		5. INTAKE (optional)	optional)
POLLUTANT And CAS NO.		Relieved	b.	a. Maximum Dally Value	b. Maxim	c. Long-Term Avg. Value (if available)	d. No. of	a. Concentration	b. Mass	a. Long-Term Avg Value	alue b. No. of
(if available)	Required	Present	Absent	(1) (2) Concentration Mass	င္ပ	ss C				(1) Concentration 1	(2) Analyses Mass
METALS, CYANIDE AND TOTAL PHENOLS (Continued)	IDE AND TO	OTAL PHE	NOLS (Cont								
12M. Thallium, Total (7440-28-0)			X	(musu)							
13M. Zinc, Total			۷								
14M. Cyanide, Total											
(57-12-5)			×								
15M. Phenols, Total		l				000		77.6/1			
DIOXIN											
2,3,7,8 Tetra- chlorodibenzo,			•	DESCRIBE RESULTS:							
(1/84-01-6)											
GCMS FRACTION - VOLATILE COMPOUNDS	ON - VOLA	TILE COM	POUNDS								
1V. Acrolein (107-02-8)			×								
2V. Acrylonitrile (107-13-1)			×								
3V. Benzene (71-43-2)			×								
5V. Bromoform (75-25-2)			×								
6V. Carbon Tetrachloride (56-23-5)			×								
7V. Chloro- benzene (108-90-7)			×								
8V.								-			
Chlorodibro- momethane											

Part C - Continued	d	•					2				4			Un .	- 1
		1. MARK "X"				DREI	EFFLUENT				UNITS		INTAKE	INTAKE (optional)	
8 A	P	<b>.</b>	D.			b. Maximum 30-Day	-Day	c. Long-Term Avg.	Avg.	Ĺ.	P	<b>(</b> p.	a. Long-Term Avg Value		No. of
(if available)	Required	Present	Absent	(1) (2) Concentration Mass		(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	Analyses			(1) Concentration	Mass	
9V.					-										
(74-00-3)			×												1
10V. 2-Chloro-															
(110-75-8)			×												
11V.															
(67-66-3)			×												
12V. Dichloro-									,						
bromomethane			•												
14V 1.1-			;												
Dichloroethane															
(75-34-3)			×												
15V. 1,2-															
Dichloroethane (107-06-2)			×		<u> </u>										
16V. 1,1-															
Dichlorethylene			×												
17V. 1,2-Di-															
chloropropane			×												
18V. 1,3-															
Dichloropro-			!												
pylene (452-75-6)			×												
19V. Ethyl-															
benzene			<						•						
20V Methyl															
Bromide															
-			<											_	

Concentration Mass	Part C - Continued  1. POLLUTANT And CAS NO.	ecc.	≾		a.	b. Maxim	7	c. Long-Term Avg.	d.	4. UNITS a. a.		S b.	b. Long-T	b. Long-Ter
Methyl         X           Chloride         X           Chloride         X           Chloride         X           Chloride         X           L1,1,2,2-         X           Etrachloro-         X           Etrachloro-         X           Etrachloro-         X           Etrachloro-         X           108-88-3)         X           1,2-Trans-         X           Dichloro-         X           1,1,1-Tri-         X           1,1,2-Tri-         X           1,1,1-Tri-         X	(if available)	Required	<del>- 11 - 1</del>	Absent		0	s C		Analyses					(1) (2) Concentration Mass
(74-87-3)  Methylene (75-00-2) (75-00-2) (79-34-5)  Fetrachloro- ethylene (79-34-5)  . Toluene (127-18-4)  . Toluene (127-18-88-3)  . 1,2-Trans- Dichloro- Dichloro- ethylene (156-60-5)  . 1,1,1-Tri- roethane (79-00-5)  . Trichloro- ethylene (79-00-5)  . Trichloro- ethylene (79-00-5)  . Trichloro- ethylene (79-00-5)  . Trichloro- ethylene (79-01-6)  . Vinyl Chloride	21V. Methyl Chloride		:								1			
Methylene (75-00-2) 1,1,1,2,2- 1,1,1,2,2- 1,1,1,2,2- 1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,	(74-87-3)			×						+				
(75-00-2) . 1,1,2,2- letrachloro- ethane (79-34-5) . Cettrachloro- letrachloro- let	22V. Methylene Chloride													
. 1,1,2,2- lettachloro- lettach	(75-00-2)			×						₩				
retrachioro- ethane (79-34-5)  Petrachloro- ethylene 127-18-4)  . Toluene 108-88-3)  . 1,2-Trans- Dichloro- Dichloro- ethylene (156-60-5)  . 1,1,1-Tri- roethane (79-00-5)  . Trichloro- ethylene (79-01-6)  . Vinyl Chloride	23V. 1,1,2,2-													
(79-34-5) (79-34-5) Fetrachloro- Fetrachloro- Ethylene (108-88-3) 1,2-Trans- Dichloro- Ethylene (156-60-5) 1,1,1-Tri- 1-55-6) 1,1,2-Tri- 1-1-55-6) 1,1,2-Tri- 1-1-1-1- 1-1-1-1-1- 1-1-1-1-1- 1-1-1-1-1- 1-1-1-1-1- 1-1-1-1-1- 1-1-1-1-1- 1-1-1-1-1- 1-1-1-1-1- 1-1-1-1-1- 1-1-1-1-1- 1-1-1-1-1- 1-1-1-1-1- 1-1-1-1-1- 1-1-1-1-1- 1-1-1-1-1- 1-1-1-1-1- 1-1-1-1-1- 1-1-1-1-1- 1-1-1-1-1-1- 1-1-1-1-1-1- 1-1-1-1-1-1-1- 1-1-1-1-1-1-1-1- 1-1-1-1-1-1-1-1-1-1-1- 1-	ethane			×				<u>,, i</u>						
Tetrachloro-	24V.													
	Tetrachloro-													
11-11-11-11-11-11-11-11-11-11-11-11-11-	ethylene (127-18-4)			×										
11-11-11-11-11-11-11-11-11-11-11-11-11-	25V. Toluene													
6 00 11-	(108-88-3)			×										
	26V. 1,2-Trans- Dichloro-													
, e b	ethylene (156-60-5)			×										
	27V. 1,1,1-Tri-													
, 6 d	(71-55-6)			×										
	28V. 1,1,2-Tri- chloroethane	•												
	(79-00-5)			×										
	29V. Trichloro-													
ic	ethylene (79-01-6)			×										
_	30V. Vinyl Chloride	<del></del>												

(iO) a. Testing le) Required ACTION – ACII	Fart C - Conunued		2.			3.					4.		5.	Li-man
Ab(a)   Required   Present   Abnority   Ab	POLLUTANT And CAS NO.		<b>a</b> .	1.00	a. Maximum Daily Vali	b. Maxim Value (if		Long-Term A		Х Р. С.	a. Concentration	Mass	a. Long-Term Avg Val	
TRACTION - ACID COMPOUNDS	(if available)	Required	Present	Absent	(1) (2 Concentration Ma	(1) Concentration	S C		) ISS	nalyses				
LA 2-Chinor   Plantin	GC/MS FRACTI	ION - ACID	COMPOUN	DS	4		-	1					-	
C2A.27-8)	1A. 2-Chloro- phenol				<del></del>									
Declarior Crophenol (120-83-2) 3A.	2A. 2,4-			>										
(120-83-2) 3.4 A Dimeth: 2.4 A Dimeth: y phenol (106-97-90) (106-97-90) (106-97-91) (106-9	Orophenol			×										
2,4-Dimeth- 2,4-Di	(120-83-2)													
(105-67-19)   X   X   X   X   X   X   X   X   X	3A. 2,4-Dimeth-													
A. 4,6-Dinitro (34-A2-1) (	ylphenol			×		ml v v · · · · · ·								
Content   Cont	4A. 4,6-Dinitro-													
5A. 2.4-Dinitro- (51-28-50)       x         (51-28-50)       x         6A. 2-Nitro- (51-28-50)       x         9A. 4-Nitro- (10-00.27)       x         100-02.79       x         8A. P-chloro-m- cress (10-00.27)       x         8A. P-chloro-m- cress (10-00.27)       x         9A. hip-cress (10-00.27)       x         9A. hip-cress (10-00.27)       x         9A. in-cress (10-00.27)       x         10A. Phenol (108-05.27)       x         10A. Pass (10-00.27)       x         10A. Pass (10-00.27)       x         10A. cress (10-00.27)       x         10B. Accress (10-00.27)       x         10B. Accress (10-00.27)       x         10B. Accress (10-00.27)       x         1	o-cresol (534-52-1)			× .										
S1-28-5)	5A. 2,4-Dinitro-													
6A. 2-Nitro- phenol (88-75-5) 7A. 4-Nitro- 7A. 4-Nitro- phenol (100-02-7) 8A. P-chloro-m- cresol (99-50-7) 9A. Pentachloro- phenol (99-80-7) (98-88-5) 10A. Phenol (108-96-2) 11A. 2-4,6-Tri- chlorophenol (108-05-2) 11A. 2-4,6-Tri- chlorophenol (10	phenol (51-28-5)			×										
R8-75-5)	6A. 2-Nitro-													
7A. 4-Nitro- phenol (100-02-7) 8A. P-chloro-m- cresol (59-07-7) 8A. P-chloro-m- pentachloro- phenol (87-88-5) 9A. 10A. Phenol (108-05-2) 11A. 2.4,6-Tri- chlorophenol (88-04-2) 11B. Acerta- 1B. Acert	pnenoi (88-75-5)			×										
(100-02-7)	7A. 4-Nitro-						_							
8A. P-chloro-m-cresol (59-50-7)  9A. Pentachloro- phenol (87-88-5)  10A. Phenol (108-05-2)  11A. 2,4,6-Thi- chlorophenol (88-06-2)  1B. Acena- Phenol REACTION - BASE/NEUTRAL COMPOUNDS	(100-02-7)			x										
Cresol   C	8A. P-chloro-m-													18.1
9A. Pentachloro- phenol (87-88-5)  10A. Phenol (108-05-2)  11A. 2.4,6-Tri- chlorophenol chlorophenol chlorophenol g88-06-2)  1B. Acena- 1B. Acena- httheme	cresol (59-50-7)	•••••		×										
Penial   X	9A.													
10A. Phenol	Pentachioro- phenol			×									-	
10A. Phenol	(87-88-5)													
11A. 2,4,6-Tri-	10A. Phenol			₹			·			, · · · · · · · · · · · · · · · · · ·				
Chlorophenol	11A. 2,4,6-Tri-													
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS  1B. Acena- nhithene	chlorophenol (88-06-2)			×										
1B. Acena- phthene	GC/MS FRACT	ION - BASE/	NEUTRAL	COMPOUN	DS									
	1B. Acena- phthene													

Part C - Continued	o P	(if available) R	GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (Continued)	2B. Acena-	208-96-8)	3B. Anthra-	cene (120-12-7)	4B.	Benzidine	5B. Benzo(a)-	anthracene (56-55-3)	6B. Benzo(a)-	pyrene (50-32-8)	7B. 3,4-Benzo-	fluoranthene (205-99-2)	8B. Benzo(ghl)	(191-24-2)	9B. Benzo(k)-	(207-08-9)	10B. Bis(2- chlor-	oethoxy)-	methane (111-91-1)	11B. Bis	oisopropyl)-	12B. Bis	(2-ethyl-	nexyl)-
MAT.	Testino Be		-BASE/NEU										_														
2. MARK "X"		<del></del>	TRAL CO		×		×		<u> </u>		×		×		×		×		×		×	- +·/·* T		×		×	
	b. Believed	<del>- 1</del>	MPOUND				<u> </u>		-																_		
	a. Maximum Daily Value	(1) (2) Concentration Mass																									
	b. Maximi Value (if	ဂ္ဂ	} }																								
3.	m 30-Day wallable)	n (2) Mass	┨															·						_			
	c. Long-Term Avg. Value (if available)	(1) Concentration																									
	Avg. able)	ss ]																									
	d. No. of	Analyses																									
4.	a. Concentration																										
	b. Mass																										
INTAKE	a. Long-Term Avg Value	(1) Concentration																									
5. INTAKE (optional)	Value	(2) Mass																					•				
	b. No. of Analyses																										

Tan C-Commingen		2. MARIK "X"			3. EFELUENT			4. UNITS		5. INTAKE (optional)	ional)
ON S	a. Testing	a. Believed	b. Believed	a. Maximum Dally Value	b. Maxim Value (if	c. Long-Term Avg. Value (if available)	vg. d. ble) No. of	a. Concent	b. Mass	a. Long-Term Avg Value	b. ue No. of Analyses
(if available)	Required	Present	Absent	(1) (2) Concentration Mass	င္	ဂ	ss )	1111111		(1) (2) Concentration Mass	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (Continued) 13B. 4-Bromo-	N – BASE/I	NEUTRAL	COMPOUN	- 1		-					_
phenyl Phenyl ether			×								
(101-55-3)											
l 4B. Butyl- benzyl											
phthalate (85-68-7)		-	×						,		
15B. 2-Chloro-											
naphthalene			<								
16B. 4-Chloro-											
phenyl			*								-
(7005-72-3)											
17B. Chrysene											
(218-01-9)			×								
(a,h)											
Anthracene			×								
19В. 1,2-											
Dichloro-											
benzene (95-50-1)			×								
20B. 1,3-											
Benzene			×								
(541-73-1)											
21B. 1,4-											
benzene			×								
(106-46-7)			,								
22B. 3,3-								<u></u>			
Dichloro-			<								
(91-94-1)			>								
23B. Diethyl											

Part C - Continued	ä	2.				3				4			5.	
1. POLLUTANT		MARK "X"				EFELUENT	TNI			UNITS		INTAK a.	nal)	Ď.
And CAS NO.	a. Testing	a. Believed	b. Believed	a. Maximum Daily Value	Value	b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)	No. of	a. Concentration	b. Mass	Long-Term Avg. Value		No. of Analyses
(if available)	Required	Present	Absent	(1) Concentration		(1) (Concentration M	s C	(2) tration Mass				(1) Concentration	(2) Mass	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (Continued)	ON - BASE/	NEUTRAL	COMPOUN	DS (Continued)	-	-	┨╏	-						
24B. Dimethyl Phthalate (131-11-3)			∢			<del></del>								
25B. Di-N-														
(84-74-2)			×											
26B.											-			
2,4-Dinitro-			<b>&lt;</b>											
(121-14-2)			;			*****								
27B.														
toluene			×											
79B Di n 221					-									
Phthalate										-				
(117-84-0)			×										_	
29B. 1,2-														
hydrazine (as			×											
azonbenzene)														
30B.														
(208-44-0)			×											
31B. Fluorene			<											
32B.			>		_									
Hexachloro- benzene			×				-							
(118-71-1)														
33B. Hexachloro-								•						
butadiene (87-68-3)			×											
34B.														
Hexachloro-			×											
сусторения-								·				_	_	

		2. MARK "X"				BEELLENT	UENT				4. UNITS		5. INTAKE (optional)	5. E (opti	onal)
POLLUTANT And CAS NO.	a. Testing	a. Believed	b. Believed	a. Maximum Daily Value	Value	b. Maximum 30-Day Value (if available)	Day ble)	c. Long-Term Avg. Value (if available)	vg.	d. No. of	a. Concentration	b. Mass	a. Long-Term Avg Value		Value No. of Analyses
(if available)	Required	Present	Absent	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	Analyses			(1) Concentration		(2) Mass
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (Continued)	ON - BASE/	NEUTRAL	COMPOUN									-			
35B. Hexachlo-	-														
(67-72-1)		-	х												
36B. Indneo-															
(1,2,3-oc)-															
Pyrene (193-39-5)			×												
37B.															
Isophorone			•												
38B.			,											_	
Napthalene															
(91-20-3)			×											Т	
Nitro-	-														
benzene		-11	×												
(98-95-3)														т	
40B. N-Nitroso-															
amine			×											_	
(62-75-9)															
41B.															
aronulomina			∢												
(621-64-7)		<del></del>	>												
42B. N-nitro-														_	
sodiphenyl-															
amine	···· *··		×		***										
(86-30-6)														-	
43B. Phenan-															
threne (85-01-8)			×												
														_	
44B. Pyrene															
(129-00-0)			×											1	
45B. 1,2,4 Tri-															
chloro-			<del></del>											<del></del>	
benzene			×												
(1-00-021)														_	

Tatt C = Collumned	leu	٠,			4			4.	275	5.	
		MARK "X"			DEFLUENT	CZ		UNITS		7	
And CAS NO.	a. Testing	a. Believed	b. Believed	a. Maximum Daily Value	b. Maximum 30-Day e Value (if available)	ay c. Long-Term Avg.  Yalue (if available)	d. No. of	a. Concentration	b. Mass	Long-Term Avg. Value	No. of Analyses
(if available)	Required	Present	Absent	(1) (2) Concentration Mass	(1) Concentration	s C				(1) (2) Concentration Mass	
GC/MS FRACTION - PESTICIDES	ION – PESTI	CIDES		- 1		-					
1P. Aldrin (309-00-2)			×								
2P. α-BHC (319-84-6)			×								
3P. β-BHC (58-89-9)			×								
4P. gamma-BHC (58-89-9)			×								
5P. &-BHC (319-86-8)			×								-
6P. Chlordane (57-74-9)			×								
7P. 4,4'-DDT (50-29-3)			×								
8P. 4,4'-DDE (72-55-9)			×								
9P. 4,4'-DDD (72-54-8)			×								
10P. Dieldrin (60-57-1)			×								
11P. α- Endosulfan (115-29-7)			×								
12P. β- Endosulfan (115-29-7)			x								
13P. Endosulfan Sulfate (1031-07-8)			х								
14P. Endrin (72-20-8)			×								

	POLLUTANT And CAS NO.	(if available) R	GC/MS FRACTION - PESTICIDES	15P. Endrin Aldehvde	(7421-93-4)	16P Hentachlor	(76-44-8)	17P. Heptaclor	(1024-57-3)	18P. PCB-1242 (53469-21-9)	19P. PCB-1254	(110), 60 1)	20P. PCB-1221 (11104-28-2)	21P. PCB-1232 (11141-16-5)	22P. PCB-1248 (12672-29-6)	23P. PCB-1260 (11096-82-5)	24P. PCB-1016 (12674-11-2)	
Z	a. esting	Required	- PESTICI															
2. MARK "X"	a. Believed	Present	DES													4.1		
	b. Believed	Absent			×		×		×	×		;	×	×	×	×	×	
	a. Maximum Daily Value	(1) Concentration																
	v Value	(2) Mass																
<del>0</del>	b. Maximum 30-Day Value (if available)	(1) Concentration																
3.	30-Day lable)	(2) Mass																
	c. Long-Term Avg. Value (if available)	(1) Concentration																
	Avg. able)	(2) Mass																
	d. No. of	Analyses																
4. UNITS	a. Concentration																	
	b. Mass									-								
5. INTAKE (optional)	a. Long-Term Avg Value	(1) (2) Concentration Mass																
tional)	b. No. of Analyses																	

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages. (See instructions)

i. pH	h. Temperature (summer)	g. Temperature (winter)	f. Flow (in units of MGD)	e. Ammonia (as N)	d. Total Suspended Solids (TSS)	c. Total Organic Carbon (TOC)	b. Chemical Oxygen Demand (COD)	<ul><li>a. Biochemical</li><li>Oxygen Demand</li><li>(BOD)</li></ul>		1. POLLUTANT		V. INTAKE AND EFFLUENT CHARACTERISTICS (Continued from page 3 of Form C)  Part A – You must provide the results of at least one analysis for every pollutant in this table. Co	
MINIMUM 6.7	VALUE	VALUE	VALUE	<1		. 7.7	24	13	(1) Concentration	a. Maximum Daily Value		EFELUENT CH provide the result	
MAXIMUM 7.6	29	29	0.0058		9	7	4	3	(2) Mass	Daily Value		IARACIERISI s of at least one a	
MINIMUM	VALUE	VALUE	VALUE						(1) Concentration	b, Maximum (if ava		ICS (Continued I	•
MAXIMUM									(2) Mass	b. Maximum 30-Day Value (if available)	2. EFFLUENT	rom page 3 of Fo	
	VALUE	VALUE	VALUE	<u>\( \) \( \) \( \) \( \)</u>	4.75			3.67	(1) Concentration	c. Long-Term Avg. Value (if available)		V. INTAKE AND EFFLUENT CHARACTERISTICS (Continued from page 3 of Form C)  Part A – You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.	<b>)</b>
	19.5	19.75	0.0058						(2) Mass	Avg. Value able)		ble for each outfa	
12	4	4	12	2	12	1	pà	12	Analyses	d. No. of		II. See instructions	
STAN				mg/l	mg/l	mg/l	mg/l .	1/8m		a. Concentration	3. UNITS (specify if blank)	for additional detail	
STANDARD UNITS	ိင	ိင	MGD							b. Mass	(TS blank)	ls.	
	VALUE	VALUE	VALUE						(1) Concentration	a. Long-Term Avg. Value		OUTFALL NO.	> 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
									(2) Mass	Avg. Value	4. INTAKE (optional)	200	
									No of Analyses	Þ.			

Part B - In the MARK "X" column, place an "X" in the Believed Present column for each pollutant you know or have reason to believe is present. Place an "X" in the Believed Absent column for each pollutant you believe to be absent. If you mark the Believed Present column for any pollutant, you must provide the results of at least one analysis for that pollutant. Complete one table for each outfall. See the instructions for additional details and requirements.

POLITIANT	MARK	2. MARK "X"			6.0	3. EFFLUENT				4. UNITS		INTAK	6. INTAKE (optional)	0
AND CAS NO.	p.	<b>5</b>	a. Maximum Daily Value	ly Value	<ul> <li>b. Maximum 30-Day</li> <li>Value (if available)</li> </ul>	)-Day able)	c. Long-Term Avg. Value (if available)	n Avg. ilable)	d. No. of	<b></b>	<b>.</b>	a. Long-Term Avg Value	Avg	No. of
(if available)	Believed Present	Believed Absent	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	Analyses	Concentration	Mass	(1) Concentration	(2) Mass	Analyses
a. Bromide (24959-67-9)		×												
b. Bromine														
Residual		×												
c. Chloride		×												
d. Chlorine, Total										•				
Residual	×		0.1						-	1/8111				
e. Color		×												
<ul><li>f. Fecal</li><li>Coliform</li></ul>	×		80							# per 100 ml				
g. Fluoride (16984-48-8)		×												
h. Hardness (as CaCO <sub>3</sub> )		×												
i. Nitrate – Nitrite (as N)		×												
j. Nitrogen, Total														
Organic (as N)		×								mg/l				
k. Oil and Grease	×						3.4		18	mg/l				
1. Phosphorous (as P), Total 7723-14-0		×												
m. Radioactivity														
(1) Alpha, Total		×												
(2) Beta, Total		×												
(3) Radium Total		×												
<ul><li>(4) Radium,</li><li>226, Total</li></ul>		×												

				<del></del>		_			_				_														_
Part B - Continued  1. POLLUTANT	And CAS NO.	(if available)	n. Sulfate (as SO <sub>4</sub> ) (14808-79-8)	o. Sulfide (as S)		p. Sulfite	(as 504) (14286-46-3)	o Surfactants		r. Aluminum, Total	(7429-90)	s. Barium, Total	(7440-39-3)	t. Boron, Total (7440-42-8)	u. Cobalt, Total	v. Iron, Total	(7439-89-6)	w. Magnesium Total	(7439-96-4)	x. Molybdenum	(7439-98-7)	y. Manganese,	(7439-96-6)	z. Tin, Total	aa. Titanium.	Total	(7440-32-6)
	2	Believed Present		:																11							_
2. MARK "X"	<b>.</b>	Believed Absent	×		×	•	×		×	×	,		×	×	•	<del> </del>	×		×	<del></del>	,		×		>	×	
	a. Maximum Daily Value	(1) Concentration						-																			
	ily Value	(2) Mass																								•	
	b. Maximum 30-Day Value (if available)	(1) Concentration																									
3. EFFLUENT	30-Day ilable)	(2) Mass		-														•••									
	c. Long-Term Avg. Value (if available)	(1) Concentration		-																							
	m Avg. nilable)	(2) Mass																									_
	d. No. of	Analyses				-																					
4. UNITS	<b>30</b>	Concentration																									
	ŗ.	Mass																						•			
INTAK	a. Long-Term Avg. Value	(1) Concentration																									
5. INTAKE (optional)	. Value	(2) Mass													_												
	No. of	Analyses																									

Part C – If you are a primary industry and this outfall contains process wastewater, refer to Table C-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in the Testing Required column for all such GC/MS fractions, that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark this column (secondary industries, nonprocess wastewater outfalls, and non-required GC/MS fractions), mark "X" in the Believed Present column for each pollutant you know or have reason to believe is present. Mark "X: in the Believed Absent column for each pollutant you believe to be absent. If you mark either the Testing Required or Believed Present columns for any pollutant, you must provide the result of at least one analysis for that pollutant. Note that there are seven pages to this part, please review each carefully. Complete one table (all seven pages) for each outfall. See instructions for additional details and requirements.

		2.			3.			4.		TNTAKE (ontional)	ntional
POLLUTANT And CAS NO.	<b>39</b>	a.	g.		b. Maxim	c. Long-Term Avg.	Z P-		<b>,</b> 5	a. Long-Term Avg Value	b. alue No. of
(if available)	Required	Present	Absent	(1) (2) Concentration Mass	(1) Concentration	S C		444	- T	(1) (Concentration M	(2) Mass
METALS, CYANIDE AND TOTAL PHENOLS	IDE AND T	OTAL PHE	NOLS					4			
1M. Antimony											
Total (7440-36-0)			×								
2M. Arsenic.											
Total											
(/440-38-2)			×								
3M. Beryllium											
(7440-41-7)			×								
4M. Cadmium											
Total (7440-43-9)			× .								
5M. Chromium											
Total (7440-43-9)			×								
6M. Copper											
Total (7550-50-8)			×								
7M. Lead											
Total (7/30-07-1)			×								
8M. Mercury								:			
Total (7439-97-6)			×								
9M. Nickel,		\$									
(7440-02-0)			×								
10M. Selenium,											
Total (7782-49-2)			×		•						
11M. Silver,											
(7440-28-0)			×								
(/+0-0-0)			>								

		2. MARK "X"				3. EFFLUENT	CENT			4. UNITS		5. INTAKE (optional)	ional)
POLLUTANT And CAS NO.		2.	ъ,			b. Maximum 30-Day	Дау	c. Long-Term Avg.		) •		a. Long-Term Avg Value	
(if available)	Required	Present	Absent	(1) Party value		(1) (2)	(2)	(1) (2	(2) Analyses	Collection	, mass	(i) (2)	) Analyses
				ation	Ľ	tion	S	ation	Ľ		Con	ation [	188
METALS, CYANIDE AND TOTAL PHENOLS (Continued)	NIDE AND TO	OTAL PHEN	OLS (Cont					1			-		
12M. Thallium, Total (7440-28-0)	and and an article and article article and article article article and article article and article		×										
13M. Zinc, Total (7440-66-6)			×										
14M. Cyanide, Total (57-12-5)			×										
15M. Phenols, Total			×		····								
DIOXIN													
2,3,7,8 Tetra- chlorodibenzo, P, Dioxin (1784-01-6)			×	DESCRIBE RESULTS:	S:								
GC/MS FRACTION - VOLATILE COMPOUNDS	ION - VOLA	TILE COMI	OUNDS										
1V. Acrolein (107-02-8)			×										
2V. Acrylonitrile (107-13-1)			X										
3V. Benzene (71-43-2)			×										
5V. Bromoform (75-25-2)			×										
6V. Carbon Tetrachloride (56-23-5)			×										
7V. Chloro- benzene (108-90-7)			×										
8V. Chlorodibro- momethane													
(1-84-10)	_		*		_	_	_	_	_		_		

a.  And the concentration of t	EFFLUENT  LEFTLUENT  B. Maximum 30-Day c. Long-Term Avg. d. Value (if available) Value (if available) Value (if available) No. of (2) (1) (2) Analyses  Mass Concentration Mass Concentration Mass
	n Avg. d. ilable) No. of (2) Analyses
UNITS  a. b. Concentration Mass	The second secon
	INTAKE (optio a. Long-Term Avg Value (1) (2) Concentration Mass

30V. Vinyl Chloride (75-01-4)	29V. Trichloro- ethylene (79-01-6)	28V. 1,1,2-Tri- chloroethane (79-00-5)	27V. 1,1,1-Tri- chloroethane (71-55-6)	26V. 1,2-Trans- Dichloro- ethylene (156-60-5)	25V. Toluene (108-88-3)	24V. Tetrachloro- ethylene (127-18-4)	23V. 1,1,2,2- Tetrachloro- ethane (79-34-5)	22V. Methylene Chloride (75-00-2)	21V. Methyl Chloride (74-87-3)	And CAS NO. (if available)	PO I II TANIT
										a. Testing Required	
										a. Believed Present	2. MARK "X"
×	×	×	×	×	×	×	×	X	×	b. Believed Absent	
										A.  Maximum Daily Value  (1) (2)  Concentration Mass	
										b. Maximum 30-Day e Value (if available) (1) (2) ss Concentration Mas	ERF.
										S	3. EFFLUENT
					:					c. Long-Term Avg. Value (if available)  (1) (2) Concentration Mass	
										Avg. able) (2) Mass	
										d. No. of Analyses	
										a. Concentration	4. UNITS
										b. Mass	
										Long-Term Avg. Value (1) (2) Concentration Mass	INTAK a.
										(2) Mass	5. INTAKE (optional) a.
										No. of Analyses	<b>.</b>

Mass Concent			2.					3. 3.				4. UNITS		5. INTAKE (optional)	<b>a</b> )
Sequence   Present   Abbent   Concentration   Mass   Concentration   Concentration   Concentration   Concentration   Mass   Concentration   Concentr	POLLUTANT And CAS NO.		Reliewed	b. Believed	a. Maximum Daily V	/alue	b. Maximum 3 Value (if avail	0-Day able)	c. Long-Term Value (if avail	Avg. able)	No. of	a. Concentration	b. Mass	a. Long-Term Avg Value	
ACTION - ACID COMPOUNDS  No.	(if available)	Required	Present	Absent	0.081		(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	Analyses				
hand	GC/MS FRACTI	ON - ACID	COMPOUN	DS	]	-									
25.27.8)   X   X   Dishlor   Dishl	1A. 2-Chloro- phenol														•
Deblace   Deplace   Depl	2A. 2,4-			×											
(1/10-18/3-2/)	Orophenol			×											
2.4-Dimeth- yiphenol yiphenol yiphenol (105-67-9) 4A. 4.6-Dimitro o-cressol (534-22-1) 5A. 2.4-Dimitro phenol (512-85-1) (52-8	3A.														
(105-67-9) (105-67-9)	2,4-Dimeth-			×											
40.4.4-Dinitro- orresol (S34-52-1) (S34-52-1) (S4-2-Dinitro- phenol (S1-28-5) (A.2-Mitro- phenol (S8-72-5) (A.2-Mitro- phenol (S8-72-5)	(105-67-9)					-									-
(534-52-1y)  Sh. 24-Dinitro- phenol (19-28-5)  VA. 4-Nitro- phenol (180-75-5)  VA. 4-Nitro- phenol (100-02-7)  VA. 4-Nitro- VA.	4A. 4,6-Dinitro-	•													
Abenol (51-28-5) x x y y y y y y y y y y y y y y y y y	(534-52-1)			х											-
(51-2   1   1   1   1   1   1   1   1   1	5A. 2,4-Dinitro-							•							
6A. 2-Nitro- phenol (88-75-5) 7A. 4-Nitro- phenol (100-02-7) 8A. P-chloro-m- cresol 9A. Pentachioro- phenol (87-88-5) (87-88-5) 11A. 2-46-Tri- chlorophenol (108-05-2) 11A. 2-46-Tri- chlorophenol (88-06-2) 11A. 2-46-Tri- ch	pnenoi (51-28-5)			х											
Randon   R	6A. 2-Nitro-														
7A. 4-Nitro- plenol (100-02-7)  8A. P-chloro-m- cresol (59-50-7)  9A.  Pentachloro- phenol (87-88-5) (87-88-5)  10A. Phenol (108-05-2)  11A. 2.46-Tri- chlorophenol (88-06-2)  1B. Acena-  The Acena-	phenoi (88-75-5)			×											
(100-02-7)	7A. 4-Nitro- phenol														
8A. P-chloro-mi- cresol (59-50-7)  9A.  Pentachloro- phenol (87-88-5)  10.A. Phenol (108-05-2)  11A. 2,4,6-Tri- chlorophenol (88-06-2)  1B. Acena-  1B. Acena-    Acena-   Ace	(100-02-7)			×											+
C(59-50-7)   X   X   Y   Y   Y   Y   Y   Y   Y   Y	8A. P-chloro-m-														
9A. 9A. Pentachloro- phenol (87-88-5) (10A. Phenol (108-05-2) (10A. 2,4,6-Tri- chlorophenol (188-06-2) (188-06	(59-50-7)			×											
Prenize	9A.														
10A. Phenol	phenol	м		×											
10A. Phenol	(87-88-5)														
11A. 2,4,6-Tri-	10A. Phenol		***	×											
(88-06-2) GRACTION – BASE/NEUTRAL COMPOUNDS  1B. Acena- nhthense	11A. 2,4,6-Tri-					-									
IB. Acena-	(88-06-2)			×											
1B. Acena-	GC/MS FRACT	ION - BASE	MEUTRAL	COMPOUN	DS										
	1B. Acena-														

		2. MARK "X"			3. BESTUENT	Á		4. UNITS		5. INTAKE (optional)	optional)
POLLUTANT And CAS NO.		<b>8</b> .	, ,	a.	b. Maximum 30-Day	c. Long-Term Avg.	Vo d.	a. Concentration	M <sub>2</sub> 5.	a. Long-Term Avg Value	b. /alue No. of Analyses
(if available)	Required	Present	Absent	(1) (2) Concentration Mass	င္ပ	<u></u>	SS )			(1) Concentration	(2) Mass
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (Continued)	ON - BASE/	NEUTRAL	COMPOUN							1	-
2B. Acena-											
phtylene (208-96-8)			x								
3B. Anthra-											
cene (120-12-7)			×								
4B.											
(92-87-5)			×								
5B. Benzo(a)-											
anthracene (56-55-3)			×								
6B. Benzo(a)-											
рутепе (50-32-8)			×								
7B. 3,4-Benzo-											
fluoranthene (205-99-2)			×								
8B. Benzo(ghl)	į.,							,			
(191-24-2)			×								
9B. Benzo(k)-		,									
(207-08-9)			×								
10B. Bis(2-			,								
oethoxy)-			×								
methane (111-91-1)											
11B. Bis											
oisopropyl)- Ether			×					-			
12B. Bis											
) of had								_			
(2-ethyl- hexyl)-			×								

No.   T. a.   a.   b.   b.	1.	M.	2. MARK "X"			3. EFFLUENT			4. UNITS		5. INTAKE (optional)
		1, 1,215, 13	a. Relieved	b. Believed	a. Maximum Daily Value	b. Maximum 30-Day Value (if available)	c. Long-Term Avg. Value (if available)		a. Concentration	b. Mass	a. Long-Term Avg Value
### PRACTION - BASE/PEUTRAL COMPOUNDS (Continued)  Bounds  Brounds  R 2-3  Chloro  Chl			Present	Absent	<b></b>			S			
sther x x x x x x x x x x x x x x x x x x x	C/MS FRACTION -	BASE/N	EUTRAL	COMPOUN	-	-	_				
sther x x x x x x x x x x x x x x x x x x x	henyl					,					
ityl-  Chloro- Chloro- Chloro- Chloro- Chloro- Chloro-  Chloro-  X  X  X  Chloro- Chloro- X  X  X  X  S  S  S  S  S  S  S  S  S	101-55-3)			*							
X   X   X   X   X   X   X   X   X   X	4B. Butyl-										
X   X   X   X   X   X   X   X   X   X	enzyl			!							
Chloro- Lene Lene Lene Lene X  Chloro- Chloro-  Chloro-  Chloro-  X  x  x  yysene yysene x  x  x  x  x  x  x  x  x  x  x  x  x	%5-68-7)			×							
lene 2-3) Chloro- Chlo	5B. 2-Chloro-										
Chloro- Chloro- Chloro-  Chloro-  Or  Sene  Sene  3  1)  1  1  1  1  1  1  1  1  1  1  1  1	naphthalene			*							
2-3)  Displayed a series of the series of th	6B. 4-Chloro-										
	henyl			<							
	7005-72-3)			,							
	7B. Chrysene										
nzo- e e	218-01-9)			×							
e e	8B. Dibenzo-										
hyl	Anthracene			×							
hyl	53-70-3)										
hyl	lyB. 1,2- Dichloro-							-			
hyl	penzene			×							
VI.	20B. 1,3-										
l l	Dichloro-			ţ							
ly.	Senzene (541-73-1)			×							
VI.	21B. 1,4-										
lyl .	benzene			×				•			
VI .	(106-46-7)			,							
y)	22B. 3,3-										
y)	Dichloro-			!							
	hen 71 dene			×							
-	(91-94-1)										
	(91-94-1) 23B. Diethyl				_						

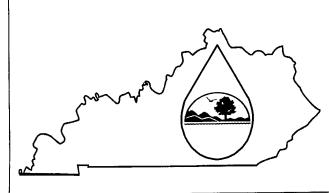
Part C - Continued		2,					3.				4.			5.	<b>!</b>
POLLUTANT And CAS NO.	a.	Rollinyari	Bellieved	Maximum Daily Value		b. Maximum 30-Day	um 30-Day	c. Long-Term Avg.	Avg.	No of	a. Concentration	Mass	a. Long-Term Avg. Value	a. erm Avg. Value	b. No. of Analyses
(if available)	Required	Present	Absent	(1) Concentration		(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	Analyses	7		(1) Concentration	(2) Mass	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (Continued)	ON - BASE/I	NEUTRAL	COMPOUN								,				
24B. Dimethyl															
Phthalate															
(131-11-3)			×												
25B. Di-N-															
(84-74-2)			×												
26B.															
2,4-Dinitro-			ł												
(121-14-2)			*												
27B.															
toluene			×												
(606-20-2)			,												
28B. Di-n-octyl					188.										
(117-84-0)			×												
29B. 1,2-															
hydrazine (as			≺		····										
azonbenzene)			;												_
30 <b>В</b> .															
Fluoranthene (208-44-0)			×		· · · · · · · · · · · · · · · · · · ·										
31B Fluorene															
(86-73-7)			×											,	
32B.  Hexachloro-					<del></del>										
benzene			×												
33B.															
Hexachloro-			·												
butadiene (87-68-3)			×												
34B.															
Hexachloro-			×				_								
1:															
dietie															

CLUMS   FRANCI   INVIT   DASK/INCULTINGED	Part C - Continued  1. POLLUTANT And CAS NO. (if available)  FORMS EDACTION	a. Testing Required	2. MARK "X" a. Believed Present	b. Believed Absent			b. Maximum 30-Day Value (if available) (1) (2) Concentration  Mass	S	c. Long-Term Avg. Value (if available) (1) (2) Concentration Ma	ss	d. No. of Analyses	Conce	4. UNITS  a. Concentration	4. UNITS  a. b. entration Mass	b. Long-T Mass (1)	b. Mass
than than 1	GC/MS FRACT	ION - BASE	NEUTRAL	COMPOU	┧┟	┨┞	J Ľ	┪┟		-1	-1	-1	-1	-1		
Tree-	roethane			l		_										
c)-5)	36B. Indneo-			×												
-5) -5) -6) ene ene ene 3) 3) 3) 3) Nitroso- 1- 1- 9) 9) 9) 9) 6) 6) 6) 6) 6) 6) rene rene rene rene -7) 2,4 Tri-	(1,2,3-oc)-															
orone 9-1) 9-1) nalene 0-3)	(193-39-5)			*												
9-1) 9-1)  nalene 0-3)  n	37B.															
nalene 0-3)	(78-59-1)			×												
0-3)	38B. Napthalene			,												
	(91-20-3)			×			1		1							
ftroso- ftro- ne ne ) 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1-	Nitro-															
litroso- li-n- ne ne ne ne li-n- li-	benzene (98-95-3)		,	×												
li-n- ne ne l'tro- l- l- lan- ne ne	40B. N-Nitroso-								1							
rosodi-n- plamine -64-7) N-nitro- henyl- e 00-6) Phenan- e e Pyrene -00-0) 1,2,4 Tri- o- ene -82-1)	amine			×												
sodi-n- mine mine -7) -7)  6) 6) lenan- lenan- rene rene -4) 2,4 Tri1)	41B.								- 1							
-7) -7) nitro- nyl-  6) 6) 6) enan- enene 72,4 Tri- 1)	N-nitrosodi-n-			•												-
nitro- nyl- 6) 6 enan- 8) 8 7 rene 7 2,4 Tri-	(621-64-7)			×												
6) 6) 10	sodiphenyl-															
renan- 8) 8) 7-1)	amine (86-30-6)			×												
8)  Trene 2,4 Tri- 3,1	43B. Phenan-								- 1							
rrene -(1) 2,4 Tri- 5	(85-01-8)	-		×					1							
2,4 Tri- ; ; ;-1)	44B. Pyrene (129-00-0)			×												
) 	45B. 1,2,4 Tri- chloro-		· ·													
	benzene (120-82-1)			×	,											

		(if available) R	GC/MS FRACTION - PESTICIDES	1P. Aldrin (309-00-2)	2P. α-BHC (319-84-6)	3P. β-BHC (58-89-9)	4P. gamma-BHC (58-89-9)	5P. &-BHC (319-86-8)	6P. Chlordane (57-74-9)	7P. 4,4'-DDT (50-29-3)	8P. 4,4'-DDE (72-55-9)	9P. 4,4'-DDD (72-54-8)	10P. Dieldrin (60-57-1)	11P. α- Endosulfan (115-29-7)	12P. β- Endosulfan (115-29-7)	13P. Endosulfan Sulfate (1031-07-8)	14P. Endrin
	a. Festing	Required	- PESTI														
2. MARK "X"	a. Believed	Present	CIDES														
	b. Believed	Absent		×	×	×	×	×	×	×	×	×	×	x	×	×	
	a. Maximum Daily Value	(1) (2) Concentration Mass															
BRG	b. Maximum 30-Day Value (if available)	C	-														
3. EEFLUENT	0-Day able)	) ISS	<b>⊢</b>														
	c. Long-Term Avg. Value (if available)	(1) (2) Concentration Mass	-							-							
	d. No. of																
4. UNITS	a. Concentration	Tilletti.															
	b. Mass																
INTAK	a. Long-Term Avg. Value	(1) Concentration															
5. INTAKE (optional)	, Value	(2) Mass															
	b. No. of Analyses																

25P. Toxaphene (8001-35-2)	24P. PCB-1016 (12674-11-2)	23P. PCB-1260 (11096-82-5)	22P. PCB-1248 (12672-29-6)	21P. PCB-1232 (11141-16-5)	20P. PCB-1221 (11104-28-2)	19P. PCB-1254 (11097-69-1)	18P. PCB-1242 (53469-21-9)	17P. Heptaclor Epoxide (1024-57-3)	16P Heptachlor (76-44-8)	15P. Endrin Aldehyde (7421-93-4)	GC/MS FRACTION - PESTICIDES	(if available)	And CAS NO.		Part C - Continued
											ON - PESTIO	Required	a. Testing		č
											CIDES	Present	a. Believed	MARK "X"	<b>3</b>
×	×	×	×	×	×	×	×	×	×	×		Absent	b. Believed		e .
												(1) Concentration	a. Maximum Daily Value		
											F		/ Value		
												(1) Concentration	b. Maximum 30-Day Value (if available)	EFF	
												(2) Mass	30-Day lable)	EFFLUENT	
												(1) Concentration	c. Long-Term Avg. Value (if available)		
												Mass	Avg. able)		
	-											Analyses	d. No. of		
													a. Concentration	UNITS	
													b. Mass		
											-	(1) (2) Concentration Mass	a. Long-Term Avg Value	INTAKE (optional)	
													e No. of Analyses	1	

# KPDES FORM F



# KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM

#### PERMIT APPLICATION

A complete application consists of this form and Form 1. For additional information, Contact KPDES Branch, (502) 564-3410.

I. OUTFALL LOCATION

AGENCY USE

For each outfall list the latitude and longitude of its location to the nearest 15 seconds and name the receiving water.

D. Receiving Water (name) B. Latitude C. Longitude A. Outfall Number UT to South Fork Cumberland Sinkhole Sinkhole 

UT to South Fork Cumberland South Fork Cumberland River 

#### II. IMPROVEMENTS

A. Are you now required by any federal, state, or local authority to meet any implementation schedule for the construction, upgrading or operation of wastewater treatment equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders, and grant or loan conditions.

1. Identification of Conditions, Agreements, Etc.	No.	2. Affected Outfalls Source of Discharge	3. Brief Description of Project	4. Final C a. req.	ompliance Date b. proj.
NA					
	<del>-  </del>				

B. You may attach additional sheets describing any additional water pollution (or other environmental projects which may affect your discharges) you now have under way or which you plan. Indicate whether each program is now under way or planned, and indicate your actual or planned schedules for construction.

#### III. SITE DRAINAGE MAP

Attach a site map showing topography (or indicating the outline of drainage areas served by the outfall(s) covered in the application if a topographic map is unavailable) depicting the facility including: each of its intake and discharge structures; the drainage area of each storm water outfall; paved areas and buildings within the drainage area of each storm water outfall, each know past or present areas used for outdoor storage or disposal of significant materials, each existing structural control measure to reduce pollutants in storm water runoff, materials loading and access areas, areas where pesticides, herbicides, soil conditioners and fertilizers are applied; each of its hazardous waste treatment, storage of disposal units (including each area not required to have a RCRA permit which is used for accumulating hazardous waste under 40 CFR 262.34); each well where fluids from the facility are injected underground; springs, and other surface water bodies which receive storm water discharges from the facility.

	TIVE DESCRIPTION OF POL				
				us surfaces (including paved	areas and building roofs)
drained to t	he outfall, and an estimate	of the total surface area dr	ained by the out		
Outfall	Area of Impervious	Total Area Drained	Outfall	Area of Impervious	Total Area Drained
Number	Surface (provide units)	(provide units)	Number	Surface (provide units)	(provide units)
1	SEE ATTACHMENT	E			
1					
			<u> </u>		<u> </u>
dispose manage areas; a	ed in a manner to allow element practices employed	exposure to storm water; re to minimize contact by the	nethod of treatn nese materials w	or in the past three years have ment, storage, or disposal; pay with storm water runoff; mate es, soil conditioners, and ferti	ast and present materials erials loading and access
SLL ALIA	OIIIIIII I				
C For ea	ch outfall provide the lo	ecation and a description	of existing stru	ctural and nonstructural con	trol measures to reduce
				rm water receives, including	
		ment measures and the ulti	mate disposal of	any solid or fluid wastes other	
Outfa	•	T.			List Codes from
Numbe			reatment		Table F-1
	SEE ATTACHN	MENT G			
-					
			<del> </del>		
V NON STO	ORM WATER DISCHARGES				
		t the cutfall(a) accound by	this application !	have been tested or evaluated	for the presence of non
A. I cerui	y under penalty of law tha	t the outlan(s) covered by	uns application	nave been tested of evaluated	for the presence of non-
			from these outla	all(s) are identified in either a	n accompanying Form C
	application for the outfall				
Name and Off	icial Title (type or print)	Signature			Date Signed
Tom Burke	npas, Plant Manager				
B. Provida	e a description of the meth	od used, the date of any tes	ting, and the on	site drainage points that were	directly observed during
	of the drainage area and	outfalls during dry weather			
Obscivation	for the dramage area and	outland during dry woulder	•		
-					
VI. SIGNIFI	CANT LEAKS OR SPILLS				<u>, taraka, siyo gili salati. — [3] ili ali, iliyatifa</u>
Provide exi	sting information regardin	g the history of significant	leaks or spills of	f toxic or hazardous pollutant	s at the facility in the last
three years	including the approximate	e date and location of the sr	oill or leak and	the type and amount of mater	ial released.
	morading the approximate	c date and recurrent of the sp	vi ivan, and	, po and amount of mater.	
Morra					
None					
None					

	VII. DISCHARGE INFORMATION			
	A,B,C, & D: See instructions be		set of tables for each outfall. Anno	tate the outfall number in the space
i	provided. Tables F-1, F-2, and F	2-3 are included on separate page	es.	2
,	E: Potential discharges not of currently use or manufacture as a		xic pollutant listed in Table F-2, F	-3, or F-4, a substance which you
	Yes (list all such pollutant		o (go to Section IX)	
ı				
ļ				
ì				
	VIII. BIOLOGICAL TOXICITY TES	STING DATA		
			ogical test for acute or chronic toxic	city has been made on any of your
	discharges or on a receiving water	er in relation to your discharge w	within the last 3 years?	
	Yes (list all such results belo	ow) 🗵 No	lo (go to Section IX)	
ĺ				
ı				
(	The state of the s			regres de la Transporte de la Companya de la Compa La companya de la Companya de
	IX. CONTRACT ANALYSIS INFOR		ntract laboratory or consulting firm	9
			ntract laboratory or consulting firm	?
)	Were any of the analyses reporte	d in item VII performed by a con	ntract laboratory or consulting firm	
	Were any of the analyses reporte	d in item VII performed by a con	,	
<u> </u>	Were any of the analyses reporte  ☐ Yes (list the name, address an ☐ No (go to Section IX)	d in item VII performed by a cond telephone number of, and pollutants are	nalyzed by each such laboratory or firm belo	w; use additional sheets if necessary).
	Were any of the analyses reporte  ☐ Yes (list the name, address an ☐ No (go to Section IX)  A. Name	d in item VII performed by a con	,	
	Were any of the analyses reporte  ☐ Yes (list the name, address an ☐ No (go to Section IX)	d in item VII performed by a cond telephone number of, and pollutants are	nalyzed by each such laboratory or firm belo	w; use additional sheets if necessary).
	Were any of the analyses reporte  ☐ Yes (list the name, address an ☐ No (go to Section IX)  A. Name	d in item VII performed by a cond telephone number of, and pollutants are	nalyzed by each such laboratory or firm belo	w; use additional sheets if necessary).
	Were any of the analyses reporte  ☐ Yes (list the name, address an ☐ No (go to Section IX)  A. Name	d in item VII performed by a cond telephone number of, and pollutants are	nalyzed by each such laboratory or firm belo	w; use additional sheets if necessary).
	Were any of the analyses reporte  ☐ Yes (list the name, address an ☐ No (go to Section IX)  A. Name	d in item VII performed by a cond telephone number of, and pollutants are	nalyzed by each such laboratory or firm belo	w; use additional sheets if necessary).
	Were any of the analyses reporte  ☐ Yes (list the name, address an ☐ No (go to Section IX)  A. Name	d in item VII performed by a cond telephone number of, and pollutants are	nalyzed by each such laboratory or firm belo	w; use additional sheets if necessary).
	Were any of the analyses reporte  ☐ Yes (list the name, address an ☐ No (go to Section IX)  A. Name	d in item VII performed by a cond telephone number of, and pollutants are	nalyzed by each such laboratory or firm belo	w; use additional sheets if necessary).
	Were any of the analyses reported  Yes (list the name, address an No (go to Section IX)  A. Name  See Attachment D  X. CERTIFICATION	d in item VII performed by a condition of the delephone number of, and pollutants and B. Address	C. Area Code & Phone No.	w; use additional sheets if necessary).  D. Pollutants Analyzed
	Were any of the analyses reported  Yes (list the name, address an No (go to Section IX)  A. Name  See Attachment D  X. CERTIFICATION  I certify under penalty of law th	d in item VII performed by a condition of telephone number of, and pollutants are by B. Address  B. Address  at this document and all attachn	C. Area Code & Phone No.	D. Pollutants Analyzed  ction or supervision in accordance
	Were any of the analyses reported  Yes (list the name, address and No (go to Section IX)  A. Name  See Attachment D  X. CERTIFICATION  I certify under penalty of law the with a system designed to assure	d in item VII performed by a condition of telephone number of, and pollutants are by a background by a condition of the background b	C. Area Code & Phone No.  ments were prepared under my direly gather and evaluate the informatic	D. Pollutants Analyzed  ction or supervision in accordance on submitted. Based on my inquiry
	Were any of the analyses reported  Yes (list the name, address and No (go to Section IX)  A. Name  See Attachment D  X. CERTIFICATION  I certify under penalty of law the with a system designed to assure of the person or persons who manufactured in the system designed to assure of the person or persons who manufactured in the system designed to assure of the person or persons who manufactured in the system designed to assure of the person or persons who manufactured in the system designed to assure of the person or persons who manufactured in the system designed to assure of the person or persons who manufactured in the system designed to assure of the person or persons who manufactured in the system designed to assure of the person or persons who manufactured in the system designed to assure of the person or persons who manufactured in the system designed to assure of the person or persons who manufactured in the system designed to assure of the person or persons who manufactured in the system designed to a system designed	at this document and all attachn that qualified personnel properly anage the system or those person	C. Area Code & Phone No.  ments were prepared under my direly gather and evaluate the informations directly responsible for gatherin	D. Pollutants Analyzed  ction or supervision in accordance on submitted. Based on my inquiry g the information, the information
	Were any of the analyses reported  Yes (list the name, address and No (go to Section IX)  A. Name  See Attachment D  X. CERTIFICATION  I certify under penalty of law the with a system designed to assure of the person or persons who may submitted is, to the best of my keep to the person or persons who may submitted is, to the best of my keep to the person or persons who may submitted is, to the best of my keep to the person or persons who may submitted is, to the best of my keep to the person or persons who may submitted is, to the best of my keep to the person or persons who may submitted is, to the best of my keep to the person or persons who may submitted is, to the best of my keep to the person or persons who may submitted is, to the best of my keep to the person or persons who may submitted is, to the best of my keep to the person or persons who may submitted is, to the best of my keep to the person or persons who may submitted is, to the best of my keep to the person or persons who may submitted is, to the best of my keep to the person or persons who may submitted is, to the best of my keep to the person or persons who may submitted is the person or p	at this document and all attachn that qualified personnel properly anage the system or those personnewledge and belief, true, accument and all attachn that qualified personnel properly anage the system or those personnel prowledge and belief, true, accument and all attachn that qualified personnel properly anage the system or those personnel properly anages the system or those personnel prop	C. Area Code & Phone No.  ments were prepared under my direly gather and evaluate the informations directly responsible for gathering trate, and complete. I am aware tha	D. Pollutants Analyzed  ction or supervision in accordance on submitted. Based on my inquiry g the information, the information t there are significant penalties for
	Were any of the analyses reported  Yes (list the name, address and No (go to Section IX)  A. Name  See Attachment D  X. CERTIFICATION  I certify under penalty of law the with a system designed to assure of the person or persons who may submitted is, to the best of my keep submitting false information inclined.	at this document and all attachm that qualified personnel properly anage the system or those personnowledge and belief, true, accuruding the possibility of fine and	ments were prepared under my dire ly gather and evaluate the informations directly responsible for gathering trate, and complete. I am aware that imprisonment for knowing violation	D. Pollutants Analyzed  ction or supervision in accordance on submitted. Based on my inquiry g the information, the information t there are significant penalties for ns.
	Were any of the analyses reported  Yes (list the name, address and No (go to Section IX)  A. Name  See Attachment D  X. CERTIFICATION  I certify under penalty of law the with a system designed to assure of the person or persons who may submitted is, to the best of my keep to the person or persons who may submitted is, to the best of my keep to the person or persons who may submitted is, to the best of my keep to the person or persons who may submitted is, to the best of my keep to the person or persons who may submitted is, to the best of my keep to the person or persons who may submitted is, to the best of my keep to the person or persons who may submitted is, to the best of my keep to the person or persons who may submitted is, to the best of my keep to the person or persons who may submitted is, to the best of my keep to the person or persons who may submitted is, to the best of my keep to the person or persons who may submitted is, to the best of my keep to the person or persons who may submitted is, to the best of my keep to the person or persons who may submitted is, to the best of my keep to the person or persons who may submitted is the person or p	at this document and all attachm that qualified personnel properly anage the system or those personnowledge and belief, true, accuruding the possibility of fine and	ments were prepared under my dire ly gather and evaluate the informations directly responsible for gathering trate, and complete. I am aware that imprisonment for knowing violation	D. Pollutants Analyzed  ction or supervision in accordance on submitted. Based on my inquiry g the information, the information t there are significant penalties for
	Were any of the analyses reported  Yes (list the name, address and No (go to Section IX)  A. Name  See Attachment D  X. CERTIFICATION  I certify under penalty of law the with a system designed to assure of the person or persons who may submitted is, to the best of my known submitting false information inclination.  NAME & OFFICIAL TITLE (	at this document and all attachm that qualified personnel properly anage the system or those person owledge and belief, true, accurating the possibility of fine and (type or print)	C. Area Code & Phone No.  C. Area Code & Phone No.  ments were prepared under my direly gather and evaluate the informations directly responsible for gatherin trate, and complete. I am aware that imprisonment for knowing violation AREA Complete.	D. Pollutants Analyzed  ction or supervision in accordance on submitted. Based on my inquiry g the information, the information t there are significant penalties for ms.  CODE AND PHONE NO.
	Were any of the analyses reported  Yes (list the name, address and No (go to Section IX)  A. Name  See Attachment D  X. CERTIFICATION  I certify under penalty of law the with a system designed to assure of the person or persons who may submitted is, to the best of my keep submitting false information incl.  NAME & OFFICIAL TITLE (Mr. Ms. Tom Burken)	at this document and all attachm that qualified personnel properly anage the system or those person owledge and belief, true, accurating the possibility of fine and (type or print)	C. Area Code & Phone No.  C. Area Code & Phone No.  The properties of the control	D. Pollutants Analyzed  ction or supervision in accordance on submitted. Based on my inquiry g the information, the information t there are significant penalties for ns.  CODE AND PHONE NO.
	Were any of the analyses reported  Yes (list the name, address and No (go to Section IX)  A. Name  See Attachment D  X. CERTIFICATION  I certify under penalty of law the with a system designed to assure of the person or persons who may submitted is, to the best of my known submitting false information inclination.  NAME & OFFICIAL TITLE (	at this document and all attachm that qualified personnel properly anage the system or those person owledge and belief, true, accurating the possibility of fine and (type or print)	C. Area Code & Phone No.  C. Area Code & Phone No.  ments were prepared under my direly gather and evaluate the informations directly responsible for gatherin trate, and complete. I am aware that imprisonment for knowing violation AREA Complete.	D. Pollutants Analyzed  ction or supervision in accordance on submitted. Based on my inquiry g the information, the information t there are significant penalties for ns.  CODE AND PHONE NO.
	Were any of the analyses reported  Yes (list the name, address and No (go to Section IX)  A. Name  See Attachment D  X. CERTIFICATION  I certify under penalty of law the with a system designed to assure of the person or persons who may submitted is, to the best of my keep submitting false information incl.  NAME & OFFICIAL TITLE (Mr. Ms. Tom Burken)	at this document and all attachm that qualified personnel properly anage the system or those person owledge and belief, true, accurating the possibility of fine and (type or print)	C. Area Code & Phone No.  C. Area Code & Phone No.  The properties of the control	D. Pollutants Analyzed  ction or supervision in accordance on submitted. Based on my inquiry g the information, the information t there are significant penalties for ms.  CODE AND PHONE NO.  1-4151  IGNED
	Were any of the analyses reported  Yes (list the name, address and No (go to Section IX)  A. Name  See Attachment D  X. CERTIFICATION  I certify under penalty of law the with a system designed to assure of the person or persons who may submitted is, to the best of my keep submitting false information incl.  NAME & OFFICIAL TITLE (Mr. Ms. Tom Burken)	at this document and all attachm that qualified personnel properly anage the system or those person owledge and belief, true, accurating the possibility of fine and (type or print)	C. Area Code & Phone No.  C. Area Code & Phone No.  The properties of the control	D. Pollutants Analyzed  ction or supervision in accordance on submitted. Based on my inquiry g the information, the information t there are significant penalties for ns.  CODE AND PHONE NO.

VII. DISCHARGE	INFORMATION			LL NO: 001 - ALSO SI		
Part A - You must p details.	provide the results of at le	ast one analysis for ev	ery pollutant in this tabl	e. Complete one table	for each outfall. See	instructions for additional
Gottino.	***************************************	m Values e units)		ge Values de units)		
Pollutant and CAS Number (if available)	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite	Number of Storm Events Sampled	Sources of Pollutants
		N/A				
Oil and Grease Biological Oxygen Demand BOD <sub>5</sub>		ALSO SEE DA	ATA IN FORM C			
Chemical Oxygen Demand (COD)						
Total Suspended Solids (TSS)						
Total Kjeldahl Nitrogen	<1 mg/L				1	
Nitrate plus Nitrite Nitrogen						
Total Phosphorus						
pН	Minimum	Maximum	Minimum	Maximum		
Part B - List each no	ollutant that is limited in a facility is operating unde	n effluent guideline wh r an existing KPDES	permit). Complete one	t to or any pollutant liste	ed in the facility's KI See the instructions	PDES permit for its process for additional details and
	(includ	m Values le units)		de units)	Number of	Sources of
Pollutant and CAS Number (if available)	Grab Sample Taken During 1 <sup>st</sup> 20 Minutes	Flow-weighted Composite	Taken During 1 <sup>st</sup> 20 Minutes	Flow-weighted Composite	Storm Events Sampled	Pollutants
I .	20 Williams	Composite	20 Willutes	Composite	Sampleu	
	20 Ivinutes	Composite	20 Windles	Composite	Sampleu	
	20 ivinutes		ATA IN FORM C	Composite	Sampleu	
	20 Minutes			Composite	Sampleu	
	20 Minutes			Composite	Sampleu	
	20 Minutes			Composite	Sampleu	
	20 Minutes			Composite	Sampleu	
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				Composite	Sampleu	
				Composite	Sampleu	

	Maximu (includ		Average \ (include			
Pollutant and CAS Number (if available)	Grab Sample Taken During 1 <sup>st</sup> 20 Minutes	Flow-weighted Composite	Grab Sample Taken During 1 <sup>st</sup> 20 Minutes	Flow-weighted Composite	Number of Storm Events Sampled	Sources of Pollutants
		ALSO SEE DA	TA IN FORM C			
· , · · · · ·						
	for the storm event(s) who	ch resulted in the maximum.	num values for the flow-we	eighted composite sam	ple.	6.
1. Date of Storm Event	Duration of Storm Event (in minutes)	Total rainfall during storm event (in inches)	Number of hours between beginning of storm measured and end of previous measurable rain event	Maximum flow rate during rain event (gal/min or specify units)	event	ow from rain (gallons or cify units)
Provide a descripti	on of the method of flow	measurement or estimat	te. T SAMPLING DATA FRO	M A STORM EVEN		
IW SUO MIN IN L	OMM C 19 LEMODIC 2.	TIME LING DATA, NO	I SAIVII LIINO DATA FRO	MA A DIOMNI E V EIN		

#### VII. DISCHARGE INFORMATION

OUTFALL NO: 003

Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

	Maximui (includ		Average (include			
Pollutant and CAS Number (if available)	Grab Sample Taken During 1 <sup>st</sup> 20 Minutes	Flow-weighted Composite	Grab Sample Taken During 1 <sup>st</sup> 20 Minutes	Flow-weighted Composite	Number of Storm Events Sampled	Sources of Pollutants
Oil and Grease	2.7 mg/l		2.7 mg/L		2	Unknown
Biological Oxygen Demand BOD <sub>5</sub>	20 mg/l				1	Unknown
Chemical Oxygen Demand (COD)	358 mg/l				1	Unknown
Total Suspended Solids (TSS)	35 mg/l		33 mg/L		2	Unknown
Total Kjeldahl Nitrogen	3.30 mg/l				1	Unknown
Nitrate plus Nitrite Nitrogen	0.24 mg/l				1	Unknown
Total Phosphorus	0.19 mg/l				1	Unknown
pH	7.7 Minimum	7.9 Maximum	7.8 Minimum	7.8 Maximum	2	Unknown

Part B - List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's KPDES permit for its process wastewater (if the facility is operating under an existing KPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

equirements.	Maximur (includ	n Values e units)	(includ	e Values e units)		
Pollutant and CAS Number (if available)	Grab Sample Taken During 1 <sup>st</sup> 20 Minutes	Flow-weighted Composite	Grab Sample Taken During 1 <sup>st</sup> 20 Minutes	Flow-weighted Composite	Number of Storm Events Sampled	Sources of Pollutants
		NOT	APPLICABLE			
<u> </u>						

	(includ	m Values e units)	Average (include	Values units)		
Pollutant and CAS Number (if available)	Grab Sample Taken During 1 <sup>st</sup> 20 Minutes	Flow-weighted Composite	Grab Sample Taken During 1 <sup>st</sup> 20 Minutes	Flow-weighted Composite	Number of Storm Events Sampled	Sources of Pollutants
						, name and a
		NOT	APPLICABLE			
	-					<del></del>
<u></u>						
				·		
						<del></del>
				·		
						·
1.	2.	ch resulted in the maxin 3.	num values for the flow-we	eighted composite sam	ole.	6.
Date of Storm Event	Duration of Storm Event (in minutes)	Total rainfall during storm event (in inches)	Number of hours between beginning of storm measured and end of previous measurable rain event	Maximum flow rate during rain event (gal/min or specify units)	event (	w from rain gallons or fy units)
low-weighted						
ovide a description	n of the method of flow n	neasurement or estimate	<u>.                                    </u>			

#### VII. DISCHARGE INFORMATION

OUTFALL NO: 004

Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

	Maximum Values (include units)		Average Values (include units)			
Pollutant and CAS Number (if available)	Grab Sample Taken During 1 <sup>st</sup> 20 Minutes	Flow-weighted Composite	Grab Sample Taken During 1 <sup>st</sup> 20 Minutes	Flow-weighted Composite	Number of Storm Events Sampled	Sources of Pollutants
Oil and Grease	<2 mg/l		<2 mg/l		2	Unknown
Biological Oxygen Demand BOD <sub>5</sub>	20 mg/l				1	Unknown
Chemical Oxygen Demand (COD)	482 mg/l				1	Unknown
Total Suspended Solids (TSS)	326 mg/l		237 mg/l		2	Unknown
Total Kjeldahl Nitrogen	2.85 mg/l				1	Unknown
Nitrate plus Nitrite Nitrogen	0.34 mg/l				1	Unknown
Total Phosphorus	0.184 mg/l				1	Unknown
pН	7 Minimum	7 Maximum	7 Minimum	7 Maximum	2	Unknown

Part B - List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's KPDES permit for its process wastewater (if the facility is operating under an existing KPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

	Maximum Values (include units)		Average Values (include units)			
Pollutant and CAS Number (if available)	Grab Sample Taken During 1 <sup>st</sup> 20 Minutes	Flow-weighted Composite	Grab Sample Taken During 1 <sup>st</sup> 20 Minutes	Flow-weighted Composite	Number of Storm Events Sampled	Sources of Pollutants
		NOT	APPLICABLE			
						***

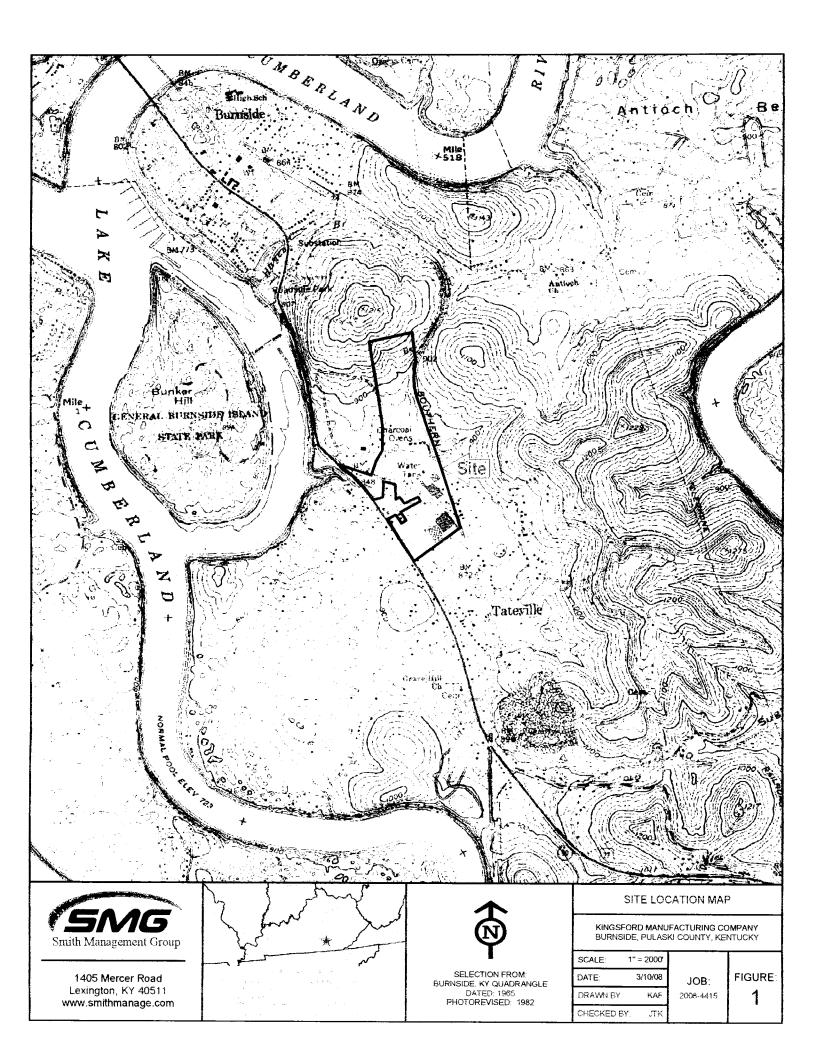
	(includ	m Values le units)	(include	Average Values (include units)		
ollutant and AS Number if available)	Grab Sample Taken During 1 <sup>st</sup> 20 Minutes	Flow-weighted Composite	Grab Sample Taken During 1 <sup>st</sup> 20 Minutes	Flow-weighted Composite	Number of Storm Events Sampled	Sources of Pollutants
· · · · · · · · · · · · · · · · · · ·						<u> </u>
		NOT	APPLICABLE			
			1			
				·		
) - Provide data	for the storm event(s) wh	ich resulted in the mayir	num values for the flow-we	eighted composite sam	nle	
1. Date of Storm Event	2. Duration of Storm Event (in minutes)	3. Total rainfall during storm event (in inches)	4. Number of hours between beginning of storm measured and end of previous measurable rain event	5.  Maximum flow rate during rain event (gal/min or specify units)	Total f	6. low from rain t (gallons or cify units)
ovide a descript	ion of the method of flow	measurement or estimat	e			

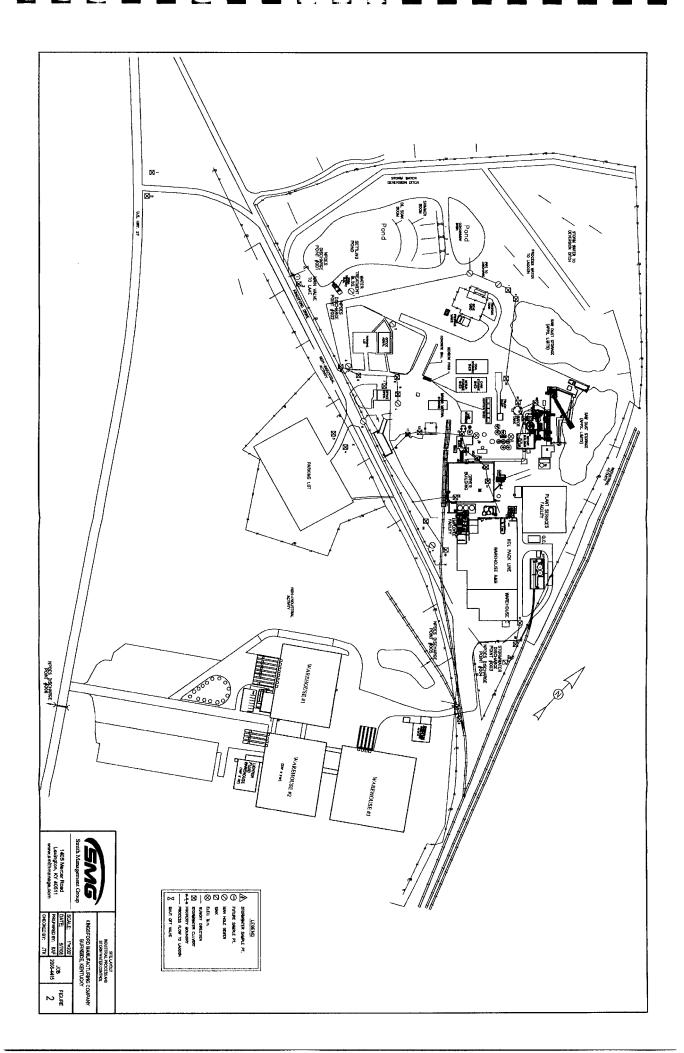
VII. DISCHARGE I				L NO: 005		
Part A - You must p additional details.	provide the results of	at least one analysis	for every pollutant i	in this table. Comple	te one table for each	h outfall. See instructions for
	Maximum Va (include uni		e units) (include u			
Pollutant and CAS Number (if available)	Grab Sample Taken During 1 <sup>st</sup> 20 Minutes	Flow-weighted Composite	Grab Sample Taken During 1 <sup>st</sup> 20 Minutes	Flow-weighted Composite	Number of Storm Events Sampled	Sources of Pollutants
Oil and Grease		N/A				
Biological						
Oxygen Demand BOD <sub>5</sub>	98 mg/l					
Chemical Oxygen Demand (COD)	12 mg/l					
Total Suspended Solids (TSS)	312 mg/l					
Total Kjeldahl Nitrogen	2.02 mg/l					
Nitrate plus Nitrite Nitrogen	<1.02 mg/l					
Total Phosphorus	0.06 mg/l					
рН	Minimum	Maximum	Minimum	Maximum	1	Storm water runoff
wastewater (if the fa-	lutant that is limited in a cility is operating unde	in effluent guideline where an existing KPDES	ich the facility is subject permit). Complete one	to or any pollutant liste table for each outfall.	ed in the facility's l See the instruction	KPDES permit for its process ns for additional details and
requirements.	Maximu	m Values	1		<del></del>	
				e Values le units)		
Pollutant and CAS Number (if available)		le units)  Flow-weighted  Composite		e Values le units)  Flow-weighted Composite	Number of Storm Events Sampled	Sources of Pollutants
CAS Number	(includ Grab Sample Taken During 1st	le units)  Flow-weighted	(includ Grab Sample Taken During 1 <sup>st</sup>	le units)  Flow-weighted	Storm Events	
CAS Number	(includ Grab Sample Taken During 1st	le units)  Flow-weighted	(includ Grab Sample Taken During 1 <sup>st</sup>	le units)  Flow-weighted	Storm Events	
CAS Number	(includ Grab Sample Taken During 1st	le units)  Flow-weighted	(includ Grab Sample Taken During 1 <sup>st</sup>	le units)  Flow-weighted	Storm Events	
CAS Number	(include Grab Sample Taken During 1st 20 Minutes	le units)  Flow-weighted  Composite	(includ Grab Sample Taken During 1 <sup>st</sup>	le units)  Flow-weighted	Storm Events	
CAS Number	(include Grab Sample Taken During 1st 20 Minutes	le units)  Flow-weighted  Composite	(includ Grab Sample Taken During 1 <sup>st</sup>	le units)  Flow-weighted	Storm Events	
CAS Number	(include Grab Sample Taken During 1st 20 Minutes	le units)  Flow-weighted  Composite	(includ Grab Sample Taken During 1 <sup>st</sup>	le units)  Flow-weighted	Storm Events	
CAS Number	(include Grab Sample Taken During 1st 20 Minutes	le units)  Flow-weighted  Composite	(includ Grab Sample Taken During 1 <sup>st</sup>	le units)  Flow-weighted	Storm Events	
CAS Number	(include Grab Sample Taken During 1st 20 Minutes	le units)  Flow-weighted  Composite	(includ Grab Sample Taken During 1 <sup>st</sup>	le units)  Flow-weighted	Storm Events	
CAS Number	(include Grab Sample Taken During 1st 20 Minutes	le units)  Flow-weighted  Composite	(includ Grab Sample Taken During 1 <sup>st</sup>	le units)  Flow-weighted	Storm Events	
CAS Number	(include Grab Sample Taken During 1st 20 Minutes	le units)  Flow-weighted  Composite	(includ Grab Sample Taken During 1 <sup>st</sup>	le units)  Flow-weighted	Storm Events	
CAS Number	(include Grab Sample Taken During 1st 20 Minutes	le units)  Flow-weighted  Composite	(includ Grab Sample Taken During 1 <sup>st</sup>	le units)  Flow-weighted	Storm Events	
CAS Number	(include Grab Sample Taken During 1st 20 Minutes	le units)  Flow-weighted  Composite	(includ Grab Sample Taken During 1 <sup>st</sup>	le units)  Flow-weighted	Storm Events	
CAS Number	(include Grab Sample Taken During 1st 20 Minutes	le units)  Flow-weighted  Composite	(includ Grab Sample Taken During 1 <sup>st</sup>	le units)  Flow-weighted	Storm Events	

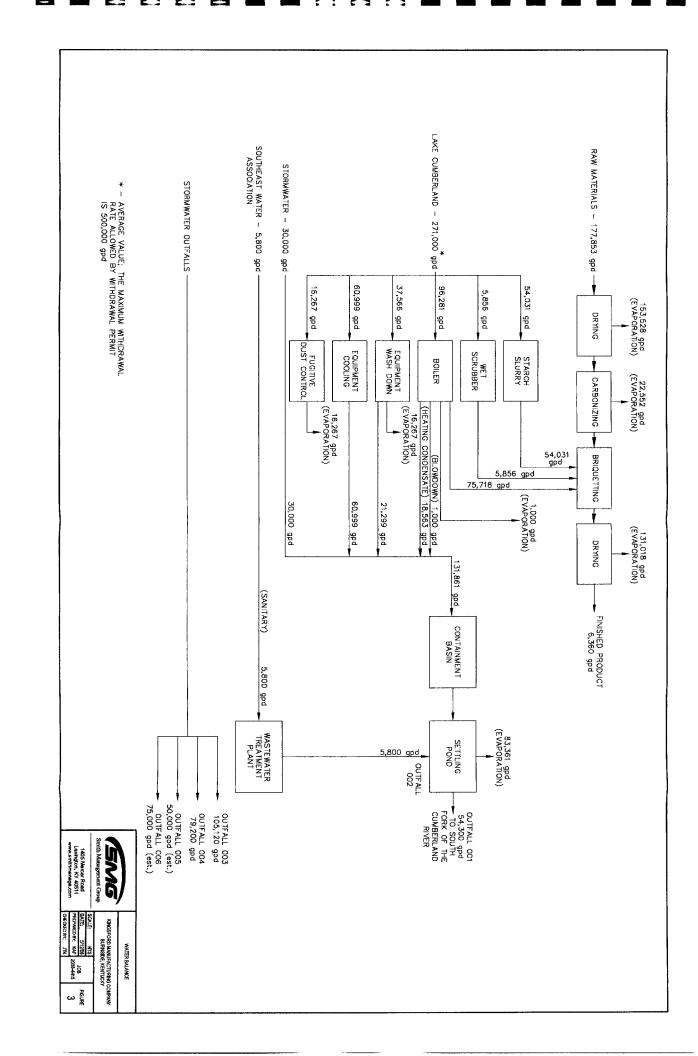
Part C - List each pollutant shown in Tables F-2, F-3, and F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.						
	Maximu	m Values le units)	Average Values (include units)			
Pollutant and CAS Number (if available)	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite	Grab Sample Taken During 1 <sup>st</sup> 20 Minutes	Flow-weighted Composite	Number of Storm Events Sampled	Sources of Pollutants
(11 11 11 11 11 11 11 11 11 11 11 11 11		Jomposite	20 111114110	Composite	Sampleu	Tondento
	NOT	APPLICABLE				
	1101	74 FIGURE			:	
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Part D - Provide data f			num values for the flow-w		ole.	
l. Date of Storm Event	2. Duration of Storm Event (in minutes)	3. Total rainfall during storm event (in inches)	4. Number of hours between beginning of storm measured and end of previous measurable rain event	5.  Maximum flow rate during rain event (gal/min or	Tota eve	6. I flow from rain ent (gallons or pecify units)
7. Provide a description	on of the method of flow	measurement or estimate	3.		<del></del>	
<u> </u>		·				

VII. DISCHARGE INFORMATION OUTFALL NO: 006 Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details. Maximum Values **Average Values** (include units) (include units) Grab Sample Grab Sample Number of Sources of Pollutant and Taken During 1st Taken During 1st Flow-weighted Storm Events **Pollutants** Flow-weighted **CAS Number** Composite Sampled (if available) 20 Minutes Composite 20 Minutes N/A Oil and Grease Biological Oxygen Demand BOD<sub>5</sub> Chemical Oxygen Demand (COD) NO DATA **CURRENTLY AVAILABLE** Total Suspended Outfall 006 Solids (TSS) volume to cause a discharge from the storm basin Awaiting a rainfall event of significant Total Kjeldahl Nitrogen Nitrate plus Nitrite Nitrogen Total Phosphorus Minimum Maximum Minimum Maximum Part B - List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's KPDES permit for its process wastewater (if the facility is operating under an existing KPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements. Maximum Values Average Values (include units) (include units) Grab Sample Number of Sources of Pollutant and Grab Sample Taken During 1st Taken During 1st Flow-weighted Flow-weighted Storm Events Pollutants CAS Number Composite 20 Minutes Composite Sampled (if available) 20 Minutes NOT **APPLICABLE** 

Part C - List each pollutant shown in Tables F-2, F-3, and F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall. Maximum Values Average Values (include units) (include units) Number of Grab Sample Grab Sample Pollutant and Taken During 1st Taken During 1st **CAS Number** Flow-weighted Flow-weighted Storm Events Sources of (if available) 20 Minutes Composite 20 Minutes Composite Sampled **Pollutants** NOT APPLICABLE Part D - Provide data for the storm event(s) which resulted in the maximum values for the flow-weighted composite sample. 6. 1. Date of Duration of Total rainfall Number of hours Maximum flow Total flow from rain rate during during storm between beginning of event (gallons or Storm Event Storm Event (in minutes) event (in inches) storm measured and rain event specify units) (gal/min or end of previous measurable rain event specify units) 7. Provide a description of the method of flow measurement or estimate.







#### **ATTACHMENT A**

#### PROCESS DESCRIPTION

Kingsford Manufacturing Company produces charcoal for the retail consumer. Kingsford receives raw materials such as sawdust, limestone, starch, sodium nitrate, borax, char and other carbonaceous materials, and lighter fluid.

The sawdust is received via trucks, unloaded by a truck dump, and stored in storage piles on the northeast portion of the facility. The sawdust is dried in a rotary dryer and sized by screens. The material is then fed to the furnace where the sawdust is heated until it becomes char.

The raw materials such as the limestone, starch, sodium nitrate, borax, char and other carbonaceous materials are received in bulk by railcar and trucks. The material is stored in various silos, bins and sheds prior to use.

The char material is processed in a muller system with the other raw materials. The mixed material is then formed in the briquet operation to form charcoal briquets. The briquets are dried in a dryer, then packaged and shipped.

Some of the briquets are treated with lighter fluid to make the solvent treated briquets. Lighter fluid is also packaged in smaller consumer-sized containers for sale. The lighter fluid is stored in railroad tank cars and tanks prior to use.

## **ATTACHMENT B**

# KPDES FORM 1, SECTION IV B LIST OF TREATMENT PLANT OPERATORS

Kingsford Manufacturing Company has two Certified Operators:

Operator Name	Number	Operator Class	Address and Phone Number
Ronnie Decker	8046	Class I	Kingsford Manufacturing Company 9500 South Highway 27 Burnside, Kentucky 42519 (606) 561-4151
Howard Upchurch	7065	Class I	Kingsford Manufacturing Company 9500 South Highway 27 Burnside, Kentucky 42519 (606) 561-4151

#### ATTACHMENT C

### KPDES FORM 1, SECTION V LIST OF ENVIRONMENTAL PERMITS

In response to Form 1, Section V C., Kingsford Manufacturing Company maintains several other environmental permits as follows:

Air Emission Source

V-03-018 - Revision 3

Solid or Special Waste

NA

Hazardous Waste - Registration or Permit

KYD020437760

Permit to Withdraw Public Water

0740

#### **ATTACHMENT D**

## KPDES FORM C, SECTION VIII LIST OF CONTRACT LABORATORIES

Kingsford Manufacturing Company has used one contract laboratory for the analytical data incorporated into the application for Outfall 001 through Outfall 006. The laboratory is:

McCoy & McCoy Laboratories 825 Industrial Road P.O. Box 907 Madisonville, KY 42431 (270) 821-7375

# **ATTACHMENT E**

# KPDES FORM F, SECTION IV A ESTIMATE OF AREA FOR EACH OUTFALL

Outfall Number	Area of Impervious Surface (acres)	Total Area Drained (acres)
Outfall 001	5.0	11.5
Outfall 003	0.5	0.9
Outfall 004	0.25	0.25
Outfall 005	2.2	4.3
Outfall 006	3.7	9.1

#### ATTACHMENT F

# KPDES FORM F, SECTON IV B DESCRIPTION OF MATERIALS STORED

Kingsford Manufacturing Company produces charcoal for the retail consumer. Kingsford receives raw materials such as sawdust, limestone, starch, sodium nitrate, borax, char and other carbonaceous materials, and lighter fluid.

The sawdust is received via trucks, unloaded by a truck dump, and stored in storage piles on the northeast portion of the facility. The raw materials such as the limestone, starch, sodium nitrate, char and other carbonaceous materials are received in bulk by railcar and trucks. The material is stored in various silos, bins and sheds prior to use.

The Kingsford facility receives lighter fluid, delivered in railroad tank cars. The lighter fluid is stored in railroad tank cars and tanks prior to use. Some of the briquets are treated with the lighter fluid to make the solvent treated briquets, which are packaged in smaller consumer-sized containers for sale.

# **ATTACHMENT G**

# KPDES FORM F, SECTION IV C DESCRIPTION OF CONTROL MEASURES AND TREATMENT MEASURES

Outfall Number	Treatment	Treatment Code
Outfall 001	Boom, Settling	1-U
Outfall 003	NA	NA
Outfall 004	NA	NA
Outfall 005	Settling	1-U
Outfall 006	Settling	1-U